

ADDENDUM NO. 01

TO: All Registered Bidders

DATE: April 19, 2019

PROJECT: Jefferson School District
JSD Project No: JESD_Const_18_19_002
Name: Tom Hawkins Elementary School Administration
Modernization
Application No. 02-117236
DSA File No. 39-39

CONTACT: Sam Hagler
Director of Maintenance, Operations and Transportation

This Addendum forms a part of the Contract Documents for the Project described above and shall supersede referenced sections of the original Bidding Documents. This Addendum is an integral part of said Bidding Documents and shall be acknowledged in the Contractor's Bid Proposal form. Failure to acknowledge receipt of this Addendum in the Bid may cause the Bid to be rejected.

This addendum is divided into six (6) parts: Instructions and Procedures, Project Specifications, Drawings, Prior Addenda, Other Documents, and Pre-Bid Questions.

PART I - INSTRUCTIONS AND PROCEDURES

1. The following changes, omissions and/or additions to the Bid Specification shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.
2. Careful note of the Addendum shall be taken by all parties of interest so that the proper allowance may be made in all computations, estimates and all trades affected shall be fully advised in the performance of the work which will be required of them.
3. In case of conflict between the Drawings, Specifications, and this Addendum, this Addendum shall govern.
4. Upon receipt of this Addendum, please acknowledge receipt on the bid form.

PART II - PROJECT SPECIFICATIONS

1. Project Index
 - a. Updated sheet index to include new Section 09 62 50 WALK-OFF MAT
2. Section 06 11 13 ENGINEERED WOOD PRODUCTS
 - a. Under 2.01 MATERIALS removed item D regarding FCS certification.

3. Section 06 41 10 COUNTERTOP AND SPLASHES
 - a. Under 1.04 Delivery, DELIVERY, STORARE AND HANDLING Item A, corrected reference section to read 01 60 00.
4. Section 06 41 16 PLASTIC LAMINATE
 - a. Under 1.04 DELIVERY, STORARE AND HANDLING Item A, corrected reference section to read 01 60 00.
 - b. Under 2.01 CABINET CASEWORK Section A, eliminated item 2, Science classroom cabinet reference.
 - c. Under 2.02 FINISHED HARDWARE Section F, eliminated item 7 and 9 related to sliding glass cabinet doors.
5. Section 09 30 00 CERAMIC TILE
 - a. Removed section 2.02 QUARRY TILE – FULL PREPARATION KITCHEN APPLICATIONS in its entirety.
 - b. Under section 2.05 GROUT eliminated item C in its entirety.
 - c. Under section 2.06 ACCESSORIES Section A, items 2 & 3 were removed.
6. Section 09 51 00 ACOUSTICAL CEILINGS
 - a. Under section 2.01 CEILING SUSPENSION SYSTEM item F was removed in its entirety.
 - b. Under section 2.02 ACOUSTICAL PANELS: LAY-IN APPLICATION item E was removed in its entirety.
 - c. Removed Section 2.03 ACOUSTIC PANELS: LAY-IN SCRUBBABLE APPLICATION in its entirety.
7. Section 09 65 00 RESILIENT FLOORING
 - a. Updated the whole spec section to reflect the use of LVT instead of VCT.
8. Section 09 68 00 CARPET
 - b. Under section 1.03 OTHER APPLICATION SECTION item A was revised to read; 09 62 50 Walk-off Mats including “ Abrasive Action II”.
9. Section 09 95 00 VINYL-COATED FABRIC WALL COVERING
 - a. Under 1.05 DELIVERY, STORARE AND HANDLING Item A, corrected reference section to read 01 60 00.
10. Section 10 06 20 RESTROOM ACCESSORIES
 - a. Under 1.04 DELIVERY, STORARE AND HANDLING item A, corrected reference section to read 01 60 00.
 - b. Under 2.01 ACCESSORIES item B, omitted the reference to “Bobrick B-354 – partition mounted.”
 - c. Under section 2.01 ACCESSORIES item E was removed in its entirety.

11. Section 10 44 00 FIRE-FIGHTING DEVICES

- a. Under 1.04 SUBMITTALS item A, corrected reference section to read 01 33 00.
- b. Under 1.04 DELIVERY, STORAGE AND HANDLING item A, corrected reference section to read 01 60 00.

PART III - DRAWINGS

1. Sheet A-2.0 (revised sheet attached)

- a. Eliminated keynote 5 at Nurse (A06).
- b. Added Keynote 11 to the sidelight at Nurse (A06).
- c. Added keynote 7 at Reception/ waiting (A01).
- d. Revised keynote 17 to read, "EXISTING ACCESSORIES TO BE REMOVED, PATCH & REPAIR WALL AS REQUIRED AND RE-INSTALL AFTER MODERNIZATION."

2. Sheet A-2.1 (revised sheet attached)

- a. Added keynote 9 at Storage/ Workroom (A07).
- b. Added keynote 20 to indicate low wall at Office (A02).
- c. Moved arrows for keynote 6 at new exterior glazing locations into Reception/ waiting (A01).
- d. Added keynote 4 at Reception/ waiting (A01).
- e. Added keynote 19 for pedestrian control gate at Reception/ waiting (A01).
- f. Identified keynote 7 at Reception/ waiting (A01).
- g. Revised keynote 7 to read, "RELOCATE EXISTING SCHOOL PLAQUE AND PROVIDE NEW ONE PER SPECIFICATIONS, VERIFY EXACT LOCATION WITH ARCHITECT."
- h. Revised keynote 19 detail reference to #2/A-13.0
- i. Added keynote 20 to read, "NEW LOW WALL REFER TO DETAIL #1/A15.0."
- j. Replaced VCT callout in Room A01 with LVT.
- k. Updated line of floor change for LVT and Carpet in room A01.
- l. Updated note #1 under MODERNIZATION GENERAL NOTES to read, "ALL INTERIOR EXISTING AND RELOCATED DOORS AND FRAMES TO BE PAINTED, COLOR TO MATCH EXISTING. PROTECT HARDWARE FROM OVER PAINT".
- m. Updated note #2 under MODERNIZATION GENERAL NOTES to read, "ALL INTERIOR WINDOW FRAMES TO BE PAINTED, COLOR TO MATCH EXISTING. PROTECT GLASS AND HARDWARE FROM OVER PAINT".

3. Sheet A-4.0 (revised sheet attached)

- a. Added new keynote 9: "REMOVE AND SCRAPE EXISTING PAINT AT UNDERSIDE OF METAL DECK CANOPIES. PREP TO RECEIVE NEW FINISH."
- b. Showed keynote 9 on Demo Reflected Ceiling Plan

4. Sheet A-4.1 (revised sheet attached)

- a. Revised keynote 2 to read, "PRIME AND PROVIDE NEW EXTERIOR PAINT AT UNDERSIDE OF EXPOSED METAL DECK CANOPIES, REFER TO SPECIFICATIONS."
- b. Showed keynote 2 on Reflected Ceiling Plan

5. Sheet A-9.0 (revised sheet attached)

- a. Added various finish call outs to interior elevation detail A01 and A02.

6. Sheet A-9.1 (See ASK-1 attached)
 - a. Added various finish call outs to interior elevation detail A09.
7. Sheet A-10.0 (See ASK-2 attached)
 - a. Specified welding information at new mullion locations, see Frame detail #3.
8. Sheet A-12.0 (revised sheet attached)
 - a. Revised the F2 call out on the Floor to read Luxury Vinyl Tile (LVT) instead of Vinyl Composite Tile (VCT)
 - b. At room A01 Reception/ Waiting revised call out of walls from W3 instead of W2.
9. Sheet E-2.1 (revised sheet attached)
 - a. Added an exit sign on the Lighting Plan at room A14.
10. Sheet E-2.3 (revised sheet attached)
 - a. Revised last sentence of KEYNOTE 8 to read, "ROUTE CONDUITS CONCEALED IN WALLS."
 - b. Revised last sentence of KEYNOTE 9 to read, "ROUTE CONDUITS CONCEALED IN WALLS".

PART IV - CHANGES TO PRIOR ADDENDA

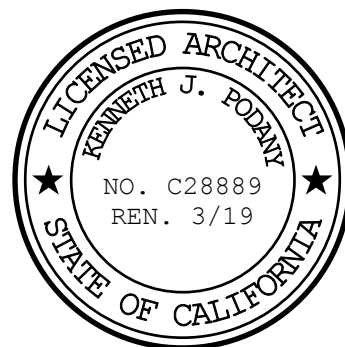
None

PART V - OTHER DOCUMENTS

None

PART VI - PRE-BID REQUEST FOR INFORMATION

RFI #1 - See attached
RFI #2 - See attached
RFI #3 - See attached



END OF ADDENDUM

Bid Documents and General Conditions

- Notice Inviting Bids
- Instructions to Bidders
- Checklist of Mandatory Bid Forms
- Bid Form
- Designation of Subcontractors
- Designation of Subcontractors Form
- Contractor's Certificate Regarding Workers' Compensation Form
- Non-Collusion Declaration
- Bid Guarantee Form
- Bid Bond Form
- Request for Substitution At Time Of Bid
- Acknowledgment of Bidding Practices Regarding Indemnity Form
- Disabled Veteran Business Enterprise (DVBE) Participation Statement
- Contractor's Certificate Regarding Drug-Free Workplace
- Contractor's Certificate Regarding Alcoholic Beverage and Tobacco-Free Campus Policy Agreement Form
- Payment Bond
- Performance Bond
- Guarantee
- Escrow Agreement for Security Deposits In Lieu Of Retention
- Insurance Documents & Endorsements
- Disabled Veteran Business Enterprise (VBE Contractor Close-Out Statement
- Contractor Certification Regarding Background Checks
- Article 1 Definitions
- Article 2 Laws Concerning the District A Part Hereof
- Article 3 Site Investigation
- Article 4 Status of Contractor
- Article 5 Contractor's Supervision
- Article 6 Subcontractors
- Article 7 District's Inspector
- Article 8 Architect's Status
- Article 9 Assignment of Antitrust Actions
- Article 10 Other Contracts
- Article 11 Occupancy
- Article 12 District's Right to Do Work
- Article 13 District's Right to Terminate Contract
- Article 14 Termination by The District For Cause
- Article 15 Termination of Contract By District (Contractor Not At Fault)
- Article 16 Contract Security - Bonds
- Article 17 Substitution of Securities
- Article 18 Insurance Requirements
- Article 19 Performance and Payment Bonds
- Article 20 Drawings and Specifications
- Article 21 Ownership of Drawings
- Article 22 Detail Drawings and Instructions
- Article 23 Tests and Inspections
- Article 24 State Audit
- Article 25 Preference for Materials And Substitutions
- Article 26 Samples

Article 27	Progress Schedule
Article 28	Materials and Work
Article 29	Obtaining of Permits, Licenses And Easements
Article 30	Access to Work
Article 31	Sanitary Facilities
Article 32	Cleaning Up
Article 33	Guarantee
Article 34	Duty to Provide Fit Workers
Article 35	Fingerprinting
Article 36	Wage Rates, Travel and Subsistence
Article 37	Payroll Records
Article 38	Withholding of Contract Payments & Penalties
Article 39	Apprentices
Article 40	Protection of Persons and Property
Article 41	Non-Discrimination
Article 42	Cost Breakdown and Periodical Estimates
Article 43	Contractor Claims & Disputes
Article 44	Claims Procedures & Requirements
Article 45	Payments to Contractor
Article 46	Changes and Extra Work
Article 47	Completion
Article 48	Adjustments to Contract Price
Article 49	Correction of Work
Article 50	Extension of Time - Liquidated Damages
Article 51	Payments Withheld
Article 52	Excise Taxes
Article 53	Taxes
Article 54	No Assignment
Article 55	Notice and Service Thereof
Article 56	No Waiver
Article 57	Hazardous Materials
Article 58	District's Right to Carry Out The Work
Article 59	Indemnification
Article 60	Non-Utilization of Asbestos Material
Article 61	Lien Releases

Supplementary General Conditions

division 01 general requirements

01 01 00	summary of work
01 04 00	project coordination
01 05 00	field engineering
01 25 00	substitution procedures
01 25 43	tests and inspections
01 33 00	submittal procedures
01 41 00	applicable codes and standards
01 41 14	cbc minimum requirements
01 42 19	reference standards
01 45 00	quality control
01 45 23	testing inspection
01 52 00	construction facilities
01 57 00	temporary controls
01 57 23	storm water pollution prevention
01 60 00	product requirements

01 70 00 project closeout
01 74 00 cleaning and waste management
01 78 30 warranties and bonds

division 02 site work

02 41 19 selective structure demolition

division 03 concrete

03 20 00 concrete reinforcing
03 30 00 cast-in-place concrete

division 05 metals

05 12 00 structural steel framing
05 40 00 cold formed metal framing
05 50 00 metal fabrications

division 06 woods & plastics

06 10 00 rough carpentry
06 11 13 engineered wood products
06 20 00 finish carpentry
06 41 10 countertops and splashes
06 41 16 plastic laminate

division 07 moisture protection

07 13 00 waterproofing
07 20 00 thermal protection
07 26 00 concrete vapor control
07 84 00 fire stopping
07 92 00 caulks and sealants

division 08 doors & windows

08 11 00 metal doors and frames
08 81 00 glass and glazing

division 09 finishes

09 29 00 gypsum board system
09 30 00 ceramic tile
09 51 00 acoustical ceilings
09 62 50 walk-off mat
09 65 00 resilient flooring
09 68 00 carpet
09 91 00 painting

09 95 00 vinyl-coated fabric wall covering

division 10 specialties

10 06 20 restroom accessories
10 11 23 vinyl covered tackboard panels
10 14 00 signage
10 14 16 plaques
10 44 00 fire fighting devices

division 11 equipment

11 52 13 projection screens

division 22 plumbing

22 05 17 sleeves and sleeve seals for plumbing piping
22 05 18 escutcheons for plumbing piping
22 05 23 general duty valves for plumbing piping
22 05 29 hangers and supports for plumbing piping and equipment
22 05 53 identification for plumbing piping and equipment
22 07 19 plumbing piping insulation
22 11 16 domestic water piping
22 11 19 sanitary waste piping specialties
22 11 23 facility natural gas piping
22 13 16 sanitary waste and vent piping
22 13 19 sanitary waste piping specialties
22 16 16 condensate drain piping
22 42 13.13 commercial water closets
22 42 16.13 commercial lavatories
22 42 16.16 commercial sinks

division 23 hvac

23 05 00 common work results for hvac
23 05 29 hangers and supports for hvac piping and equipment
23 05 53 identification for hvac piping and equipment
23 05 93 testing, adjusting, and balancing for hvac
23 07 13 duct insulation
23 07 19 hvac piping insulation
23 23 00 refrigerant piping
23 31 13 metal ducts
23 33 00 air ducts accessories
23 34 23 hvac power ventilators
23 37 13 air diffusers
23 54 00 furnaces
23 81 26 split-system air-conditioners

division 26

electrical

26 10 00 general electrical requirements
26 51 00 interior lighting

division 27

data communication

27 10 00 structured cabling system
27 50 00 integrated communication system

division 28

electronic safety and security

28 00 00 integrated fire alarm
28 16 00 intrusion alarm system

- end of index -

PART 1 - GENERAL

1.01 SUMMARY

- A. This work includes the complete furnishing and installation of all web wood joists, including framing hardware, as shown on the drawings, herein specified and necessary to complete the work.
- B. Related Requirements: General Provisions of the Contract Documents to be included but not necessarily limited to General Conditions, Supplementary Conditions, and Sections of Division One of this Project Manual.

1.02 RELATED WORK SPECIFIED IN OTHER SECTIONS

- A. Rough Carpentry.
- B. Glue Laminated Beams.

1.03 QUALITY ASSURANCE

- A. Manufacturer: Plywood web joist shall be from manufacturers as follows:
 - 1. RedBuilt. The joists shall be manufactured in accordance with the provisions of ICC ESR#2994 and DSA PA-048, and shall be of the size and designations shown on the drawings.
 - 2. Any alternate wood joists shall meet the same design criteria as indicated on the plans. The alternate joist Stiffness measured as EI, shall be equal to or greater than those joists specified on the drawings.
- B. Design of alternate wood joist: The wood joist manufacturer shall custom design the joists to fit the dimensions and loads indicated on the plans and any additional loads that may be required. All designs shall be in accordance with allowable values and section properties assigned and approved by the Building Code. Design shall conform to the requirements of Chapter 16A and 23 of Title 24, Part 2, CCR. Manufacturer's registered civil engineer shall supervise joist design and provide calculations for all plywood web joists. The Structural Engineer-of-Record shall be responsible for the review and approval of the alternate design. The contractor shall be responsible for obtaining approval for the alternate product from the Architect and Engineer-of-Record and from the Division of the State Architect. The cost for approval of an alternate design shall be borne by the Contractor.
- B. Lumber grading: In conformance with I.C.C. accepted manufacturer's mechanical stress rating system.
- C. Fabrication plant: Approved by I.C.C. certified testing agency.
- D. Continuous inspection of fabrication by designated independent inspection agency, approved by D.S.A. and architect, retained and fees paid by the Owner.

E. Joists shall be identified by a stamp indicating the joist type, ICC report number, manufacture name, plant number and the PFS Corporation logo and their report number.

F. Comply with Section 01 45 23 TESTING AND INSPECTION SERVICES

1.04 SUBMITTALS

A. Comply with the pertinent provisions of the General Conditions and Section 01 33 00.

B. General: Do not proceed with fabrication until shop drawings and calculations have been reviewed and approved by the architect and engineer.

C. Shop drawings and calculations: Shop drawings showing layout and detail necessary for determining fit and placement in the building shall be provided by the manufacturer. Provide design calculations sealed and stamped by a licensed structural engineer in California that show the design criteria has been met.

D. Lab Instructions: Include laboratory test reports and other data to show compliance with specifications and referenced standards.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Comply with pertinent provisions of Section 01 52 00.

B. Delivery Storage.

1. Deliver the units to the job site with adequate wrapping per manufacturer's requirement to prevent damage and moisture damage. Transport and store joists in a vertical position resting on bearing ends.

2. Maintain wrapping in proper condition until unit erection.

3. Damaged units are subject to rejection by the Structural Engineer and shall be removed from the job site at time of rejection.

1.06 WARRANTY

A. The products delivered will be free from any defects in workmanship or materials and the manufacturer of members shall be adequate to carry the loads specified by the purchaser for the life of specified project.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Structural wood chord members shall be min. 1-1/2" thick, FT=2400 psi min, E=2.0 x 10 psi of approved grade and kiln dried to a maximum moisture content of 16%. All end joints shall be finger joints conforming to details approved by the Division of The State Architect.
- B. Plywood web trusses shall utilize structural 1 plywood, CD grade, web material conforming to PS 1-95.
- C. All roof framing shall be sloped a minimum of 1/2-inch per foot.

2.02 FABRICATION

- A. The joist products shall be manufactured in a plant approved for fabrication by the Division of the State Architect and under the continuous inspection of an independent inspector approved by D.S.A.

2.03 IDENTIFICATION

- A. Each of the joists shall be identified by a stamp indicating the joist type, NER report number, manufacturer's name and plant number.

PART 3 - EXECUTION

3.01 ERECTION AND INSTALLATION

- A. The joist, if stored prior to erection shall be stored in a vertical position and protected from the weather. They shall be handled with care so they are not damaged. The joists are to be erected and installed in accordance with the plans, drawings and installation suggestions of the manufacturer. Temporary construction loads beyond limits indicated thereon are not permitted. Erection bracing in addition to specified bridging is to be provided by the manufacturer as detailed on shop drawings to keep the joist straight and plumb as required and to assure adequate lateral support for the individual trusses and entire system until the sheathing material has been applied.

3.02 PERFORMANCE

- A. Products shall be proven by testing as demonstrated either by I.C.C. and NRB acceptance.

3.03 FIRE RATINGS

- A. Provide written verification that installed system will provide fire resistive assembly as specified and/or as shown on the drawings.

3.04 WARRANTY

- A. The products delivered will be free from any defects in workmanship or materials and that the design of members shall be adequate to carry the loads specified by the purchaser for the life of specified project.

END OF SECTION

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide and install the finish work of this section as indicated on the drawings as specified herein and as needed for a complete and proper installation.
- B. Related Requirements: General provisions of the Contract Documents include but not necessarily limited to the General Conditions, Supplementary Conditions, and Sections of Division One of this project manual.

1.02 QUALITY ASSURANCE

- A. Use adequate numbers of skilled personnel who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this section.
- B. Unless specifically otherwise accepted by the Architect, provide laminate products of this section from a single manufacturer.
- C. Millwork shall be manufactured in accordance with the standards in the latest edition of the Manual of Millwork of the Woodwork Institute of California in the grade or grades hereinafter specified or shown on the drawings.
- D. Before delivery to the jobsite, the millwork supplier shall issue a WIC Certified Compliance Certificate indicating the millwork products he will furnish for this job, and certifying that they will fully meet all the requirements of the grade or grades specified.
- E. The first page of the shop drawings shall bear the WIC Certified Compliance Label.
- F. Each plastic laminate countertop shall bear the WIC Certified Compliance label.
- G. Following completion of installation issue a WIC Certified Compliance Certificate for Installation.

1.03 SUBMITTALS

- A. Comply with pertinent provisions of the General Conditions and Section 01 33 00.
- B. Submit detailed dimension shop drawings and product data within the specified days following the receipt of Notice to Proceed.
- C. Shop drawings shall bear the WIC Certified Compliance Label on the first page of each set of drawings.
- D. Submit samples of materials for selection of colors and pattern by the Architect.
- E. WIC Bulletin 419R "Recommended Care and Storage of Architectural Millwork."

1.04 DELIVERY, STORAGE AND HANDLING

- A. Comply with pertinent provisions of Section 01 62 00.
- B. Deliver all material when project construction is ready for installation. The General Contractor shall provide a clean storage area as required by WIC Manual of Millwork, Technical Bulletin 419-R "Recommended Care and Storage of Architectural Millwork."
- C. Any deviation in color, construction, etc., shall be subject to rejection.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. The manufacturer shall have a minimum of five projects equal experience in scope equal to this work.
- B. Laminated plastic counter tops and splashes shall comply with the standards set forth herein and Section 06 41 16.

2.02 COUNTERTOPS AND SPLASHES

- A. Laminated plastic countertops and splashes shall be WIC (Custom) Grade.
- B. Molded Epoxy Resin Tops: Molded epoxy resin tops shall be molded from a modified epoxy resin that has been especially compounded and cured to provide the optimum physical and chemical resistance properties required of a heavy-duty laboratory table top. Tops and curbs shall be a uniform mixture throughout their full thickness, and shall not depend upon a surface coating that is readily removed by chemical and/or physical abuse. Tops and curbs shall be non-glaring and black in color. Table tops shall be 1" thick, unless otherwise shown on the drawings, with drip grooves provided on the underside at all exposed edges. Further, all exposed edges except as indicated below, shall be rounded to a 1/4" radius at front top edge and at vertical corners. 4" high curbs at the backs and ends of standard 31", 24" and 18" wide tops shall be 3/4" thick and the juncture between top and curb shall be coved to a 3/4" radius. Curbs on special width tops and around special cutouts shall be the same thickness as the tops, bonded to the surface of the top to form a square joint. Sink cutouts shall be smooth and uniform without saw marks and the top edge shall have a uniform radius of approximately 1/8". The bottom edge of the sink opening shall be finished smooth with the edge broken to prevent sharpness. Corners of sink cutouts shall be radiused not less than 3/4". Where indicated, table tops shall be indented 1/4" to provide a raised rim 5/8" wide around all exposed edges. The front top edge of the raised rim and exposed vertical corners of the top shall be rounded to a 1/8" radius. The juncture between the raised rim and the top surface shall be coved to a 1/4" radius.
 - 1. Provide Molded Epoxy Resin Tops where called for on drawings.

- C. All splashes shall be 6" high from the surface of the deck. Provide end splashes with square butt joints. Tops shall be fully formed, coved splashes, with self- edge or no drip tilt edge at sink counter.
- D. Where countertops require more than one section, the joint shall be tight flush joint with no deviation in color and top thickness.

PART 3 - EXECUTION

3.01 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.

3.02 FABRICATION

- A. Countertops and splashes shall be performed in the same shop with experienced journeymen personnel under the supervision of a thoroughly experienced foreman.
- B. Coordinate work of this section with Plumbing, Mechanical and Electrical work to be integrated within the casework.
- C. Finish any wood casework exposed trim or feature parts as specified. Finish semi-exposed surfaces such as wood drawer parts, etc., not covered by laminated plastic, with stain or match color of liner using one coat sanding sealer and one coat of clear lacquer. Back priming is required where casework occurs with plumbing fixtures only.
- E. Scribing: Comply with the requirements for custom/premium grade filler strips as specified in the Manual of Millwork.
- F. All countertops to have not less than 3/4" radius corners.

3.03 INSTALLATION

- A. Install casework/millwork in accordance with Section 26 of W.I.C. "Manual of Millwork."
 - 1. Field measurements: Take necessary field measurements to assure proper dimensions for the work specified herein.
 - 2. Standards and quality assurance as set forth.
 - 3. Installation per accepted shop drawings, including method of anchor.
 - 4. Installation includes countertop, millwork, and associated relations of this section.
 - 5. Delivery and storage: Strictly adhere to the requirements of Section 26, Technical Bulletin 419R of Manual of Millwork.

- B. Coordinate mounting of steel backing plates and/or wood blocking prior to wall finish application and job site installation. Timing and coordination are critical and shall be the Contractor's responsibility of acceptance.

3.04 EXECUTION

- A. Install in strict accordance with the WIC requirements specified herein as needed for a complete and proper installation.
- B. Upon completion of the work the installer shall furnish a WIC Certified Compliance Certificate for Installation.

3.05 COMPLIANCE

- A. The Owner reserves the right to request and pay for an inspection by a representative of the Woodwork Institute of California to determine that the work of this section has been performed in accordance with the specified standards.
- B. In the event such inspection determines that the work of this section does not comply with the specified requirements, immediately remove the non-complying items and immediately replace them with items complying with the specified requirements, all at no additional cost to the Owner for the cost of the inspections.
- C. Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor subject to the approval of the Architect.

3.06 CLEAN UP

- A. Keep the premises in a neat, safe and orderly condition at all times during execution of this portion of the work, free from accumulations of sawdust, cut-ends and debris.
- B. Sweeping.
 - 1. At the end of each working day, and more often if necessary, thoroughly sweep surfaces where refuse from this portion of the work has settled.
 - 2. Remove the refuse to the area on the job site set aside for its storage.
 - 3. Upon completion of this portion of the work, thoroughly broom-clean all surfaces.

END OF SECTION

PART 1 – GENERAL

1.01 SUMMARY

- A. Provide the finish work of this section as indicated on the drawings as specified herein and as needed for a complete and proper installation.
- B. Related requirements:
 - 1. General provisions of the Contract Documents affecting this Section include but are not necessarily limited to General Conditions, Supplementary Conditions, and Sections of Division 1 of the Project Manual.
- C. Related Sections:
 - 1. Rough Carpentry
 - 2. Countertops

1.02 QUALITY ASSURANCE

- A. Codes and Standards:
 - 1. Title 24, Part 2, C.C.R. 2016 C.B.C.
 - 2. Woodwork Institute:
 - a. Performance shall comply with Custom grade requirements of W.I. latest editions.
 - b. Furnish W.I. certified compliance certificate prior to deliver certifying that all materials and fabrication thereof fully meet the specified grade requirements of W.I. specification.
 - c. Each elevation of casework shall bear W.I. certified compliance label.
 - d. Furnish, after completion of installation, W.I. certified compliance certificate certifying that the installation fully meets specified grade requirements of W.I. specification.
 - e. Each plastic laminate countertop shall bear the W.I. certified compliance label.
 - f. Qualifications:
 - i.) Contractors' and their personnel engaged in the Work, able to demonstrate successful experience with work of comparable extend complexity and quality to that shown and specified.

- ii.) Fabricator shall be a member/licensee in good standing of the Woodwork Institute

B. Referenes:

1. Standards for work of this Section shall be in conformity with "W.I." latest edition, Standards of Architectural Millwork Industry as adopted by W.I.
 - a. Section 1: Casework Laminate Plastic
 - b. Supplement #1: Casework construction details.
 - c. Supplement #2: Design Series Elevations

1.03 SUBMITTALS

- A. Comply with Pertinent provisions of the General Conditions and Section 01 33 00.
- B. Submit data: within 60 calendar days after the Contractor has received the Owner's Notice to Proceed, submit:
 1. Proposed subcontractor's qualifications;
 2. Shop drawings with detailed dimensions in compliance with W.I. Section 1, "Basic requirements for Architectural Millwork shop drawings";
 3. Furnish a W.I. certified compliance label on the first page of shop drwaings;
 4. Submit samples of each species of finish wood – size 6" x 6" minimum or as specified in W.I. manual;
 5. Submit samples of plastic laminate for color selection and patterns.
 6. Unless specifically otherwise accepted by the Architect, provide laminate products of this section from a single manufacturer.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Comply with pertinent provisions of Section 01 60 00.
- B. Deliver all materials when the project is ready for installation and General Contractor and other application fees.

1.05 SEQUENCING AND SCHEDULING

- A. Coordinate all fabrication, delivery and installation with the general contractor and other applicable trades.

PART 2 - PRODUCTS

2.01 CABINET CASEWORK

- A. Casework shall conform to Woodwork Institute Manual of Millwork
 - 1. Custom Grade, standard
 - 2. Certified Compliance Program
- B. Components:
 - 1. Casework shall be W.I. Construction Style A – Frameless W.I. Construction Type I Custom Grade;
 - 2. Casework numbers on the Plan or Elevation view reference the W.I. Cabinet Design Series, cabinets are to be fabricated to the size indicated, as adjusted to fill the intended area;
 - 3. Exposed plastic laminate shall be selected from manufacturer's standard solid color, wood grain, or special finish colors, self-edged, from Micarta Division of Westinghouse Electric Corporation.
 - 4. Semi-exposed surfaces or interior surfaces of open cabinets or behind glass doors shall match exposed surfaces;
 - 5. Door and drawer front style shall be flush overlay, and match W.I. door and drawer edge type self-edge.
 - 6. Adjustable shelves shall be in accordance with W.I. requirements subject to a 30, 40, or 50 pound per square foot uniformly spaced load not to exceed 200 pounds per shelf. Glass shelves shall be 4/16 thickness, plate type glass;
 - 7. Casework shall have exposed toe spaces;
 - 8. Casework hardware shall be the desired type, manufacturer, and finish listed as follows or be at the option of the manufacturer from W.I. most current listings of approved product, except in the case of pre-engineered drawer box systems which shall only be permitted by specific specification and/or acceptance;
 - 9. Fabrication shall comply to First Class Workmanship, as defined by the Woodwork Institute, in their "Manual of Millwork";
 - 10. Cores shall be plywood
 - a. Water resistant core at laboratory casework
 - 11. Adhesive used shall be "rigid set" (urea-resin) or "semi-rigid set" (PVC acetate). Do not use "contact" adhesives.

12. Pre-finishing, shall be in compliance with W.I. Custom Grade Finishing System.

2.02 FINISH HARDWARE

- A. Hardware listed herein establishes quality of design required. Equal hardware shall comply with supplement No. 1 of W.I. "Manual of Millwork".
- B. Provide finish hardware for casework included in work of this section and indicated on the drawings.
- C. Where hardware selection not listed yet required to furnish a complete unit, fabricator shall have the option of selecting that required hardware from Knape/Vogt or Grant.
- D. Cabinet hardware shall be installed by the casework fabricator.
- E. Locks shall be furnished for door and drawers, each room to be keyed separately. Provide master and grand master keying. Keys to be turned over to the owner's locksmith.
- F. Hardware
 - 1. Hinges: Heavy duty wrap-around 1-1/2 inches min. width offset for overlay doors with non-removable pin; flat black. Rocker B-Series, or approved equal.
 - 2. Pulls: Extruded Aluminum, U-shaped pulls at all accessible casework, CBC 1125B.4, Finish to be selected by Architect.
 - 3. Catches: Magnetic, for doors with no locks, companion to Rocker B-Series hinges or approved equal.
 - 4. Drawer slides: Full extensions with no deflection, 1/2 inch slide space, 100 pound load capacity, as listed per Knape/Vogt or Grant, or approved equal.
 - 5. File drawer/ Wide paper Drawer Slides: Heavy duty, full extension, 3 section slide, 1/2 inch slide space, 200 pound load capacity as listed per Knape/Vogt or Grant, no substitution.
 - 6. Adjustable shelf Standards: Knape & Vogt No. 255 with No. 256 shelf clips, Grand No. 120 with No. 21 shelf clips, or equal.
 - 7. Door and Drawer Locks: Corbin, drawer lock No. 0738, door lock No. 0737 for single doors and active leaf of pairs of doors, master keyed to Corbin Master 47T9 to match District standard master key system (no exceptions). Locks to be keyed to match building keying system. Provide 2 keys for each lock.
 - 8. Screws: Straight shank double thread particle board screws.
 - 9. Adjustable shelving option: Evenly spaced, cleanly, bored holes at a minimum of 2 inches o.c. with metal shelf rests. Holes shall be bored equally distant

from front and back edges of shelves a minimum of 32mm to a maximum of 2 inches.

PART 3 - EXECUTION

3.01 EXAMINATION OF CONDITIONS

- A. Conditions of work place: Sub-surfaces which are to receive materials specified under this Section shall be carefully examined before beginning Work hereunder, and any defects shall be corrected to timely and proper completion of the Work. Work shall not be started until such defects have been corrected. Starting such work shall imply acceptance of conditions as they exist.
 - 1. Verify adequacy of location backing and support framing;
 - 2. Verify mechanical, electrical, and building items affecting work of this section are in place and ready.

3.02 FABRICATION

- A. Install the approved laminated plastic in strict accordance with the manufacturer's recommendations as approved by the Architect.
- B. Finish and wood casework exposed trim or feature parts as specified. Finish semi-exposed surfaces such as a swood drawer parts, etc., not covered by laminated plastic, with stain or match color of liner using one coat sanding sealer and one coat of clear lacquer. Backpriming is required where casework occurs with plumbing fixtures only.
- C. Scribing: Comply with the requirements for custom grade filler strips as specified in the Manual of Millwork.

3.03 INSTALLATION

- A. Install the Work in strict accordance with W.I. requirements, shop drawings and accepted by the Architect, anchoring all units firmly in position, square, plumb, straight and true.
 - 1. Install all work in conformance with W.I. Custom Grade.
 - 2. All work abutting other components shall be properly scribed.
 - 3. All mechanical fasteners at exposed and semi-exposed surfaces shall be countersunk.
 - 4. Method of attachment, including the type, size, frequency, and/or spacing of anchoring deices and fasteners shall be indicated on drawings.

- B. Disabled Person's Access: Where sink units occur or where indicated, delete the cabinet bottom shelf and toe board to allow wheelchair access to the dimensions indicated on the drawings. Comply with Title 24 and ADA requirements.

3.04 ADJUSTMENT

- A. The Owner reserves the right to request and pay for an inspection by a representative of the Woodwork Institute to determine that the work of this section has been performed in accordance with the specified standards.
- B. In the event such inspection determines that the work of this section does not comply with the specified requirements, immediately remove the non-complying items and immediately replace them with items complying with the specified requirements, all at no additional cost to the owner for the cost of the inspections.
- C. Provide other materials, not specifically described but required for a complete and proper installation as selected by Contractor subject to the approval of the Architect.

3.05 CLEANING

- A. Upon completion of the installation, remove and clean off markings, and the area of which the work occurred shall be broom clean and remove debris from the site.
- B. Comply with pertinent provisions of General Conditions and following sections of Division 1:
 - 1. Section 01 74 00

END OF SECTION

PART 1 – GENERAL

1.01 Summary of Considerations & District Criteria

- A. The District has established the listed products for the specific applications as Standards. Given the tremendous range in tile products, there are obviously other solutions possible for additional design applications, such as lobby floors and administrative areas.
- B. The use of cementitious backer units/boards (CBU) for tile requires use of leveling bed requirements as listed.
- C. The District has established use of epoxy grouts as a Standard, for durability and maintenance considerations for student and public areas. Staff areas do not generally have the contact exposure requiring the expense of epoxy grouts.
- D. Architect recommends the use of mortar bed setting methods in order to improve leveling control and compression resistance.

1.02 SECTION INCLUDES

- A. Ceramic tile.
- B. Quarry tile.
- C. Grout, mortar bed and setting materials.
- D. Waterproof underlayment and cleavage membranes.
- E. Sealers.

PART 2 - PRODUCTS

2.01 CERAMIC TILE

- A. Selection indicated is District “standard” & to establish required level of quality, appearance, and performance. The Architect may consider comparable products by alternate manufacturers where listed, and requests for substitutions, under the provisions of Section 01 25 00.
 - 1. All tile, for like applications, shall be the product of a single manufacturer as indicated below.

- B. Product Characteristics: Floor tile:
1. Manufacturer: Dal-tile: Contact information: CT Sales office – 1600 South Page Court; Anaheim, California 92806. Phone: 1-714-634-2546
 2. Series: Keystones Porcelain Mosaic Ceramics.
 3. Size: 2" x 2".
 4. Grout Joint: Nominal 1/16", all joints equal, except at expansion joint conditions. Provide minimum 1/8 inch wide joint at all expansion joint conditions.
 5. Coefficient of Friction: Minimum 0.60 per ASTM C-1028 shall be accepted as meeting the intent of slip resistance- CBC 1124B.1

- C. Product Characteristics: Wall tile:
1. Manufacturer: Dal-tile: Contact information: CT Sales office – 1600 South Page Court; Anaheim, California 92806. Phone: 1-714-634-2546
 2. Series: "Festiva".
 3. Size: 3" x 6".
 4. Grout Joint: Nominal 1/16", all joints equal, except at expansion joint conditions. Provide minimum 1/8 inch wide joint at all expansion joint conditions.
 5. Coefficient of Friction: Minimum 0.60 per ASTM C-1028.
 6. Installation: Install in a "running bond" pattern.

2.02 PORTLAND CEMENT MORTAR

- A. Mortar Bed: Portland cement and sand mixture, complying with specified method and ANSI A108.1B.
- B. Thin-set Application Mortar: Portland cement mortar, with acrylic additive per ANSI A108.5 and A118.4.

2.03 PORTLAND CEMENT BOND COAT

- A. American Olean or equal, Multipurpose Dry-set Mortar per ANSI A108.5 and A118.4.

2.04 GROUT

- A. All grouts shall be produced by same manufacturer
- B. Un-Sanded Grouts: American Olean or equal, with acrylic grout additive per ANSI A118.6. Color as selected by Architect from complete color line, including Designer series.

2.05 ACCESSORIES

- A. Sealants:
 - 1. Interior sealants: Unless noted otherwise, provide sealants as manufactured by grout manufacturer.
 - a. Where exposed to pedestrian traffic, provide sealants rated for pedestrian traffic, with minimum Shore A value of 35, as manufactured by grout manufacturer.
 - b. Match adjacent grout color.
- B. Reinforcing Mesh: 2 x 2 inch square x 16 gauge welded wire mesh.
- C. Cleavage membrane: Provide CTI approved cleavage membrane.
- D. Organic Adhesive: Type 1 organic adhesive, complying with ANSI A136.1 and approved by CTI for application.

2.06 WATERPROOFING AND CRACK ISOLATION MEMBRANES

- A. Thin-set Waterproofing applications: NobleSeal TS, preformed sheet CPE membrane, 30 mil thickness, with facing. Provide preformed corners and all manufacturers recommended accessories.
- B. Thin-set Joint Isolation Membrane: NobleSeal CIS, preformed sheet CPE membrane, 30 mil thickness, with facing. Provide all manufacturers recommended accessories.
- C. Mortar bed waterproofing applications: NobleSeal Chloraloy 240, preformed sheet CPE membrane, 40 mil thickness. Provide preformed corners and all manufacturers recommended accessories.

2.07 THRESHOLDS/TRANSITIONS

- A. Tile/Carpet Edge Protection: Provide Schluter, Schiene-M series, brass, height as required.
- B. Tile/Carpet Edge Transition: Provide Schluter, Reno-MTK series, brass, height as required.
- C. Tile/resilient flooring Transition: Provide Schluter, Reno-MTK series, brass, height as required.

2.08 ACCESSORY TILE

- A. General
 - 1. All accessory tile shall be in matching size, color, and finish.
 - 2. Stretcher tile can be the standard size of the manufacturer.

3. Provide surface bullnose trim at all open edges or ends. Unglazed or cut tile edges unacceptable.
4. Provide surface bullnose trim at all tile abutting jamb conditions and extending beyond frame.
5. Provide full curved stretcher tile for all outside corners.

2.09 OTHER MATERIALS

- A. Provide all other materials, not specifically described but required for complete and proper installation of this work, as selected by the contractor and subject to the approval of the Architect.

PART 3 - EXECUTION

3.01 INSTALLATION AND PLACEMENT CONSIDERATIONS

- A. Cleavage Membrane: Unless otherwise shown on drawings, where mortar bed is installed over concrete slab on grade at interior applications, provide specified cleavage membrane.
- B. Joint isolation membrane installation:
 1. Install at all cracks in concrete slab substrates, control and expansion joints, and at all transitions between dissimilar materials.
 2. Extend each side of crack or joint a minimum of 4 times diagonal tile dimension.
 3. Apply using approved latex modified mortar system.
 4. At expansion joints, continue sheet material in looped fashion through joint to accommodate anticipated joint movement.
- C. Tile and grout installation:
 1. At student and public toilets and all shower/locker rooms, install tile to minimum 8 feet above finish floor at all wall surfaces.
 2. Install wall tile at cementitious backer board per TCA Method W244, and per ANSI A108.5.
 - a. Provide Portland cement leveling coat as required to provide surface complying with 1/8 inch in 8 feet tolerance.
 3. Install grout at abrasive grit tile using grout bag or grouting machines. Conventional sponge spread technique not acceptable.

4. At all kitchen, student toilets and locker/shower rooms, and public toilets, grout all joints with specified epoxy grout per ANSI A108.10.
 5. At all staff toilets and locker/shower rooms, grout all joints with specified non-sanded grout per ANSI A108.10.
- D. Installation of expansion and control joint assemblies.
1. Provide expansion joints complying with TCA Detail EJ171 at the following specified locations and as located and shown on drawings:
 - a. At wall tile to paver / floor tile joints.
 - b. At all expansion and control joints in substrate. Where tile joint does not occur directly over substrate joint, provide sealant joint on each side of joint.
 - c. At tile joint at inside vertical corners.
 - d. At interior applications, at approximately 24 feet on center each way in floor and wall tile surfaces. Adjust to 12 feet at toilet tile conditions, and 8 feet for dark tile in sunlight areas.
 - e. At exterior applications, at approximately 12 feet on center each way in floor and wall tile surfaces. Adjust to 8 feet as necessary for dark tile in sunlight areas.
 - f. Where material transitions occur, comply with expansion/control joint criteria.
 - g. At conditions where tile extends through doorways, extend wall cove/floor tile sealant joint across doorway.
 - h. At floor drain/tile edge, column penetrations, tile terminations against frames and other restraining elements.
 - i. At tile terminations against curbs, paving or other restraining elements.
- E. Do not allow traffic on tile for a minimum of 72 hours after installation.
- F. Provide damp cure of all installations per manufacturer's recommendations and per ANSI A108. Do not damp cure latex modified grout systems unless recommended by manufacturer.
- G. Tolerances
1. Grout joint alignment with adjacent edge: 1/8" in 10 feet.
 2. Row and column alignment: 1/8" in 10 feet deviation.
 3. Alignment with adjacent tile: 1/16" +/-.

4. Level, plane and/or vertical: 1/8" in 10 feet deviation.

END OF SECTION

PART 1 – GENERAL

1.01 Summary of Considerations & District Criteria

- A. The District has established the listed products as Standards in order to minimize stocking and maintenance issues. Use of alternate finishes and edge types may be appropriate for specific design applications.
- B. While the District prefers the use of gypsum board ceilings in kitchen areas, the listed ceiling tile product is suitable for most kitchen applications.
- C. Given the number of variations possible, this document does not reflect use of fire rated ceiling systems as part of listed hourly rated assemblies.

1.02 WORK INCLUDED

- A. Suspended metal grid ceiling system.
- B. Acoustical panels.
- C. Acoustical tiles.
- D. Perimeter trim.

PART 2 - PRODUCTS

2.01 CEILING SUSPENSION SYSTEM

- A. Manufacturer: Chicago Metallic, Donn or equal.
- B. Series: 1200 (STAB) Seismic 15/16"
 - 1. Main Runner: 200-01
 - 2. Cross Runners: 1214-01 at 48 inch length, and 1226-01 at 24 inch length.
 - 3. Edge moldings: "L" shaped, 1420-01.
 - 4. Face Dimension: 15/16 inches.
- C. Duty Rating: Heavy Duty per ASTM C635.
- D. Fire Resistance Rating: Non-rated assembly.
- E. Typical Color: White

F. Support/Fastening System: Components of size and type as shown in the drawings or identified in DSA IR M-3 (9/99), as required to rigidly secure acoustic ceiling system with maximum deflection of 1/360.

G. Compression Strut: Provide vertical compression strut at grid in accordance with DSA IR M-3 and as shown on drawings.

2.02 ACOUSTIC PANELS: LAY-IN APPLICATION

A. Manufacturer: Armstrong or equal.

B. Series: Medium Fissured

1. Style: Cortega Tile & Lay In; Item 769A., No Pattern

2. Edge: Square edge.

3. Size: 24 x 48 x 5/8 inch.

C. Fire/Habitability Criteria:

1. Fire Resistance Rating: Class A per ASTM E1264, maximum Flame Spread of 25, maximum smoke contributed of 450, UL Labeled

2. Noise Reduction: NRC range of 0.55.

3. Light Reflectance: LR-1 (Minimum 0.80).

4. Humidity Resistance: No visible sag under conditions not to exceed 90 percent humidity and 104 degrees F, with 10 year warranty coverage.

C. Finish: Factory applied paint.

D. Typical Color: White.

2.03 ACOUSTIC TILE - ADHESIVE APPLIED:

A. Manufacturer: Armstrong or equal.

B. Series: Minatone

1. Style: Cortega, 745.

2. Edge: K4C4, beveled, for butt installation.

3. Size: 12 x 12 x 5/8 inch.

C. Fire/Habitability Criteria:

1. Fire Resistance Rating: Class A per ASTM E1264, maximum Flame Spread of 25, maximum smoke contributed of 450, UL Labeled.

2. Noise Reduction: NRC range of 0.55.
 3. Light Reflectance: LR-1 (Minimum 0.80).
- C. Finish: Factory applied paint.
- D. Color: White.
- E. Accessories:
1. Provide UL listed adhesive, with maximum flame spread value of 10 and maximum smoke contributed value of 10.
 2. Provide white perimeter edge trim.

2.04 OTHER MATERIALS

1. Provide all other materials, not specifically described but required for complete and proper installation of this work, as selected by the contractor and subject to the approval of the Architect.

PART 3 – EXECUTION

3.01 INSTALLATION AND PLACEMENT CONSIDERATIONS

- A. Install system in accordance with UBC Standard 25-2 as modified by Section 2501A.5, Chapter 25A, Part 2, T-24 CCR, including required vertical compression struts.
- B. Where ducts or other equipment prevent the regular spacing of hangers, install independent framing below ductwork or equipment from which hangers may be attached. Hangers are prohibited from being attached to any non structural building element.
- C. Variation from Flat and Level Surface: 1/8 inch in 10 feet.

END OF SECTION

PART 1 – GENERAL

1.01 SUMMARY

- A. Provide the finish floor covering, bound rain runners, and accessories of this section where scheduled, indicated on drawings, as specified herein, and as needed for a complete and proper installation.
- B. Related Requirements: General provisions of the Contract Documents to be included but not necessarily limited to General Conditions, Supplementary Conditions, and Sections of Division One of this Project Manual.

1.02 SECTION INCLUDES

- A. Permanent walk-off entrance mats.

PART 2 - PRODUCTS

2.01 WALK-OFF MAT

- A. Abrasive Action II, manufactured by Tandu Centiva.
- B. Provide coverage as indicated on plans (Min. 60" x 60")
- C. Face construction:
 - 1. Construction: Symtex.
 - 2. Pile height: 0.187 inch (4.7 mm).
 - 3. Fiber system: TDX nylon.
 - 4. Dye method: 100% Solution dyed.
 - 5. Primary Backing: Non-Woven synthetic fiber.
 - 6. Face Weight: 29 oz/sq yd
- D. Product testing / information:
 - 1. Surface flammability: Pass CPSC FF 1-70 (ASTM D-2859)
 - 2. Flooring radiant panel: Class 1(mean average CRF: 0.45 w/sq cm or higher (ASTM E-648)

2.02 MANUFACTURER:

- A. Tandu: Centiva

1. Main office: Tandus Centiva: 311 Smith Industrial Boulevard (Post Office Box 1447) Dalton, Georgia 30722-1447. Phone: 1-706-259-9711. Web: <http://www.tandus.com>
 2. Local contact: Tandus Centiva: 1231 East Dyer Road, Suite 155; Santa Ana, California 92705. Contact; Mr. Jack Vombaur, account executive or Ms. Raelene Barress, Assistant. Phone: 1-800-241-4902 x1605
- B. Or approved equivalent if determined acceptable upon review of Contractor's submittal.

PART 3 – EXECUTION

3.01 INSTALLATION AND PLACEMENT CONSIDERATIONS

- A. Installation:
1. Product to be installed using a full-spread solvent-free releasable or permanent adhesive, as recommended by the manufacturer.
 2. Matting is to be cut "net" to the carpet material.
 3. Quarter inch silicone bead is to be applied to the carpet edge where mat meets carpet.
 4. Snap down reducer / transition strip is to be installed where matting material meets the threshold (door entryway).
- B. Placement:
1. Product shall be placed where indicated on the drawings and/or as required, by the District.
- C. Floor Preparation:
1. Clean floor surface for proposed matt prior to installation.
 2. Install product per manufacturer's recommendations

END OF SECTION

Division 1 requirements are a part of this section.

PART 1 - GENERAL

1.01 SUMMARY

- A. Related Requirements: General Provisions of the Contract Documents to be included but not necessarily limited to General Conditions, Supplementary Conditions, and Sections of Division One of this Project Manual.

1.02 WORK SPECIFIED IN THIS SECTION

- A. Work Included: Resilient flooring, including base for resilient flooring and carpeting.

1.03 RELATED WORK SPECIFIED IN OTHER SECTIONS

- A. Concrete Sub-flooring.
- B. Carpeting.
- C. Ceramic tiles and other floor finishes.

1.04 REFERENCE STANDARDS

- A. Federal Specifications - SS-T-312: Tile, Floor, Rubber, Vinyl.

1.05 SUBMITTALS

- A. Comply with pertinent provisions of the General Conditions and Section 01 33 00.
- B. Product data: Within the specified number of calendar days after the Contractor has received the Owner's Notice to Proceed, submit:
 - 1. Materials list of items proposed to be provided under this Section;
 - 2. Manufacturer's specifications and other data needed to acknowledge compliance with the specified requirements;
 - 3. Samples of the full range of colors and patterns of carpet and of exposed accessories available from the proposed manufacturers in the specified quantities;
 - 4. Manufacturer's recommended installation procedures which, when accepted by the Architect, will become the basis for accepting or rejecting actual installation procedures used on the Work.
 - 5. Provide documentation that submitted materials comply with CHPS Material Specifications Section 1350 requirements for chemical emissions requirements.

- C. Submit 6" x 6" size samples for selection of color and pattern.

PART 2 - PRODUCTS

2.01 RESILIENT FLOORING

- A. Luxury Vinyl Tile (LVT), over leveling underlayment of polymer portland cement, or other District approved floor leveling methods.
 - 1. Sheet vinyl shall not be allowed, unless approved in writing by the District.
- B. Acceptable Manufacturers:
 - 1. Tandus Centiva – “Contour or Event” Series
- C. C.O.F. = 0.6 min per ASTM D2047

2.02 BASE AND ACCESSORIES

- A. Rubber Base: Burke 4-inch TSB
 - 1. Wall Base shall comply with CHPS Material Specifications Section 01 35 00 requirements for chemical emissions requirements.
- B. Corner Treatments
 - 1. At outside corners, provide pre-molded topset outside corner pieces. Pre-molded pieces shall be same style, color, and manufacturer as straight wall base.
 - 2. At inside wall corners, butt together two separate pieces of wall base. Butted pieces shall have adjacent vertical edges mitered.
- C. Sub-floor Filler: Provide white, pre-mixed latex filler for leveling.
- D. Primers and Adhesives: Provide waterproof types with other characteristics recommended by flooring and base manufacturer.

PART 3 - EXECUTION

3.01 SITE AND SUBSTRATE CONDITIONS

- A. Ensure that surfaces are smooth, level, and reasonably flat to within 1/8 inch in 10 feet.
- B. Ensure that surfaces are dry (maximum 7 percent moisture content) and exhibit negative alkalinity, carbonization and dusting.

- C. Maintain minimum air temperature of 70 degrees F. at flooring installation area for 3 days prior to, during, and for 24 hours after installation.
- D. Ensure that areas to receive resilient flooring are well lit during applications.

3.02 LEVELING

- A. Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes and other defects with sub-floor filler.
- B. Clean floor and apply, trowel and float filler coat to leave smooth, hard, flat surface. Prohibit traffic until filler is cured.

3.03 INSTALLATION

- A. Clean substrate. Spread adhesive evenly in quantity recommended by manufacturer to ensure adhesion over entire area of installation. Spread only enough adhesive to permit installation of flooring before initial set.
- B. Set in place, press with heavy roller where possible, but by any method, ensure full adhesion.
- C. Scribe flooring to stringers, risers, and other appurtenances and protrusions to produce tight joints.
- D. Provide welded joints and sheet flooring per manufacturer's specifications.

3.04 PROTECTION

- A. Prohibit traffic from finished installation. Lay at least one layer of construction paper down. Maintain this coverage until time for final inspection by Owner.

3.05 CLEAN-UP AND REPLACEMENT MATERIALS

- A. Remove excess adhesive from surfaces without damage to flooring.
- B. Clean surfaces in accordance with manufacturer's printed recommendations.
- C. Leave replacement materials equaling 100 sq. ft. of vinyl flooring, a full gallon of adhesive, and 20 feet of each base.
- D. After final cleaning and removal of construction paper protection, wax and buff floors with owner approved material.

END OF SECTION

PART 1 – GENERAL

1.01 SUMMARY OF CONSIDERATIONS AND DISTRICT CRITERIA

- A. The District has established the following listed products as standards for the listed applications.
- B. The selection was derived from a desire to minimize long term maintenance, establish uniform cleaning procedures throughout the District, and reduce inventory issues when emergency replacement is required.
- C. The listed products each use high quality carpet yarn systems. Care should be given to acceptance of substitutes.
- D. The on-going debate over moisture vapor control methods is particularly relevant in the District, given the high water table. Architect recommends using the listed methods and products in a coordinated fashion with the concrete criteria established in Section 03 33 70 in order to minimize potential water vapor issues from developing.
- E. Where water vapor contents exceed manufacturers minimum, contact manufacturer for recommended mitigation.
- F. When selected by the District, a “border” may be included in designated areas – see the plans.

1.02 SECTION INCLUDES

- A. Carpeting
- B. VCTT (Vinyl Cushion Tufted Textile).
- C. Accessories.

1.03 OTHER APPLICABLE SECTIONS – See also the following:

- A. 09 62 50 – Walk-off Mats including “Abrasive Action II”.
- B. 09 65 00 – Resilient Flooring.

1.04 WARRANTY

- A. CPT-1: Provide manufacturers standard, printed 25-year, non pro-rated warranty against the following defects, for the stated period, after acceptance of installation:

1. Edge Ravel: No edge ravel based on normal use, wet and dry condition of use, and without use of seam sealers for lifetime of material.
 2. Secondary Back Adhesion: The cushion and backing system will have no delamination based on normal use, for the life of the installation.
 3. Tuft Bind: No edge raveling, yarn zippering or yarn pulls as determined by the non pro-rated warranty.
 4. Excessive Static Electricity, defined as exceeding 3.0 Kilovolts at 20% RH and 70 degrees F per AATCC 134 for lifetime of material.
 5. Manufacturers published warranty for stain release.
 6. Manufacturers published warranty for colorfastness.
- B. Use of chair pads shall not be a pre-condition for warranty coverage.
- C. Carpeting exhibiting defects as defined shall be replaced or repaired by the manufacturer. Secondary warranties involving those other than the manufacturer are not acceptable.

1.05 CONTRACTORS GUARANTY

- A. Provide guaranty, in Architect approved form, against the following defects for a period of 5 years after acceptance of installation:
1. Doming, wrinkling or delamination from substrate.
 2. Separation, lifting, puckering or other seam defects.
 3. Loose yarn tufts, strays or other yarn pieces at seams or edges.

1.06 REGULATORY REQUIREMENTS

- A. Provide glue-down or firm cushion installation that compiles with CBC Section 11B-302.2.
- B. Carpet shall have a level loop, textured loop, level-cut, or level-cut/uncut pile texture and minimum pile height of ½" per CBC Section 11B-302.2.
- C. Carpet edges shall comply with CBC Section 11B-302.2.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. District Standard: Characteristics of specific products, where named in this Section, are provided as "District Standard" product and are indicated to establish required level of quality, appearance and performance. The selection was derived from a desire to minimize long term maintenance, establish uniform cleaning procedures throughout the District, and reduce inventory issues when emergency replacement is required.
- B. The District and Architect may consider comparable products by alternate manufacturers where listed, and requests for substitutions, under the provisions of Section 01 63 00.

2.02 CARPET

- A. Collins & Aikman Floorcoverings, Inc. DBA Tandus:
1. Main office: Collins & Aikman Floorcoverings, DBA Tandus: 311 Smith Industrial Boulevard (Post Office Box 1447) Dalton, Georgia 30722-1447. Phone: 1-706-259-9711. Web: <http://www.tandus.com>
 2. Local contact: Collins & Aikman Floorcoverings, DBA Tandus: 1231 East Dyer Road, Suite 155; Santa Ana, California 92705. Contact; Mr. Jack Vombaur, account executive or Ms. Raelene Barress, Assistant. Phone: 1-800-241-4902 x1605
- B. Type: VCTT / Vinyl Cushion Tufted Textile. The wear layer will be Anton type 6.6. The backing will be vinyl cushion with a pre-applied adhesive to 100% of the backing.
- C. Series/Style: C&A Powerbond.
- D. Construction:
1. Minimum gauge/stitch count: 1/12 inch / 9.5 stitches per inch.
 2. Wear layer minimum weight: 18 oz face weight
 3. Product density: factor 10,588
 4. Pile Height: 0.117 inch average
 5. Wear Layer: DuPont Type 6.6, Antron Legacy and Lumina BCF Nylon with Ensure soil resistant treatment.
 - a. Alternate yarn manufacturers are not acceptable.
- E. Backing: 6' Powerbond cushion RS
1. Primary: synthetic / non-woven.
 2. Secondary: vinyl cushion Powerbond with pre-applied adhesive to 100% of the backing at the time of manufacturing.
- F. Fire/Habitability Criteria
1. Critical Radiant Flux: Minimum 0.45 w/sq cm per ASTM E 648, (Class 1 per UFC Appendix IV).
 2. Smoke Density: 450 or less, per ASTM E 662.
 3. Static Propensity: 3.0 KV or less per AATCC 134.
- G. Air quality:
1. Comply with State of Washington criteria for indoor air criteria, including VOC and particle emissions or approved equivalent test standard.
 2. No detectable levels of formaldehyde or 4-PC.

- H. Color: To be determined by the Architect, from the Contractor's submittal. Border only included where District determines a part of the project scope. See contract documents if designated "carpet" areas are to receive a border.

2.04 OTHER MATERIALS

- A. Carpet Tape: If used, shall be as recommended by carpet manufacturer.
- B. Adhesives: Types of adhesives, spread rates and application methods shall be in strict accordance with ASTM E662 and adhesive manufacturer's written recommendations.
- C. Carpet Reducer and Base: Vinyl, manufacturer's standard color to match carpet, manufactured by Mercer Plastics Company, or other approved.
- D. Vinyl Filler Strip: Manufactured by Mercer Plastics Company, or other approved.
- E. Divider-Saddle: PVC, flame retardant, self-extinguishing, manufactured by Mercer Plastics Company, or other approved.
- F. Crack Filler: Latex base type.

PART 3 – EXECUTION

3.01 INSTALLATION AND PLACEMENT CONSIDERATIONS

- A. Moisture Testing
 - 1. Conduct anhydrous calcium chloride testing using prepackaged kit systems approved by flooring manufacturer.
 - 2. Provide test at coverage rate required by flooring manufacturer, with minimum of 3 tests/first 1,000 square feet and 1 test per each 1,000 square feet after. Distribute uniformly throughout building. Prepare map or diagram of test locations in each building.
 - 3. Conduct one set of tests 60 days prior to scheduled flooring installation. Submit test results to Architect within 48 hours of test receipt.
 - 4. Conduct second set of tests 14 days prior to scheduled flooring installation. Submit test results to Architect within 48 hours of test receipt.
 - 5. Submit testing to Architect prior to beginning slab preparation or flooring work.
- B. Evaluate floor surface. Prepare surface and apply filler to all floor surfaces exhibiting the following characteristics: Cracks, gouges or holes exceeding 1/16 inch in any dimension.
 - 1. Cracks with adjacent surfaces exceeding 1/16 inch in height.
 - 2. All expansion, weakened plane or construction joints.
 - 3. All surfaces exhibiting rough or abraded texture exceeding 1/16 inch amplitude. All surfaces with gap exceeding 3/16 inch under 10 foot metal straight edge.

C. Filler Installation:

1. Prepare existing concrete substrate as recommended by filler manufacturer, including mechanical shot-blasting or equivalent.
2. Acid etching is not acceptable.
3. Prepare existing cracks in substrate as recommended by manufacturer.
4. Apply filler and trowel to leave a smooth, flat, hard surface.
5. Prohibit traffic from area until filler is cured. Vacuum clean substrate.

D. Floor Preparation:

1. Remove all outlet floor plates and utility covers, doorstops, and similar components. Label and store for re-installation. Note floor-mounted doorstops shall not be reinstalled. Contact the Architect, when found, to determine the appropriate alternate wall-mounted door stop.
2. Remove all curing compounds, waxes, grease, paint and other coatings by Architect approved means. Vacuum substrate clean.
3. Apply primers as recommended by carpet manufacturer.

E. Prohibit traffic from carpet areas for 24 hours after installation.

F. Provide non-staining, slip resistant traffic path protection until final cleaning.

END OF SECTION

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide the finish work of this section where indicated and scheduled on the drawings, specified here-in and as needed for a complete and proper installation.
- B. Related Requirements:
 - 1. General provisions of the contract documents included but not necessarily limited to, General Conditions, Supplementary Conditions and related sections in Division One of the Project Manual.

1.02 RELATED WORK IN OTHER SECTIONS

- A. Plaster.
- B. Gypsum board.
- C. Painting.
- D. Pre-finished wall panels.
- E. Sanitary wall and ceiling panels.

1.03 QUALITY ASSURANCE:

- A. Codes and References:
 - 1. Title 24, C.C.R. Part 2, 2016 C.B.C.
 - 2. (ASTM) American Society for Testing and Materials
 - 3. (CFFA) Chemical Fabrics and Film Association
 - 4. (UL) Underwriters Laboratories
- B. Use adequate numbers of skilled personnel thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work specified.
- C. Mock-ups:
 - 1. Provide on site where accepted by the Architect, a mock-up panel of the work of this Section.

- a. Make the mock-up panel shall be full wall height high by three full fabric widths wide.
 - b. Provide one mock-up panel for each color and pattern of vinyl-coated fabric wall covering used on the Work.
 - c. The mock-ups may be part of the Work, and may be incorporated into the finished Work, when so accepted by the Architect.
 - d. Revise as necessary to secure the Architect's approval.
2. The mock-up panels, when accepted by the Architect, will be used as datum points for comparison with the remainder of the work of this Section for the purpose of acceptance or rejection.
 3. If the mock-up panels are not permitted to be part of the finished Work, completely demolish and remove them from the job site upon completion and acceptance of the work of this Section.

1.04 SUBMITTALS

- A. Comply with pertinent provisions of the General Conditions and Section 01 34 00.
- B. Product data: Within the specified time frame after the Contractor has received the Owner's Notice to Proceed, submit:
 1. Materials list of items proposes to be provided under this Section;
 2. Manufacturer's specifications and other data needed to reflect compliance with the specified requirements;
 3. Samples of the full range of colors and patterns available from the proposed manufacturer in the specified range;
 4. Manufacturer's recommended installation procedures which, when accepted by the Architect, will become the basis for accepting or rejecting actual installation procedures used on the Work.
- C. All adhesives and sealants used on the interior of the building (inside the weatherproof membrane) shall comply with the requirements of the California Department of Health Services *Standard for the Testing of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers*, including 2004 Agenda. Submit to the Architect emission test data produced by acceptable testing laboratory listed in Quality Assurance Article for materials as required in each specific Specification section. Provide data to the Architect on manufacturers' recommended maintenance, cleaning, refinishing and disposal procedures for materials and products. These procedures are for final Contractor cleaning of the project prior to substantial completion and for provided materials and products as required by the specific specification sections.

- D. Provide data to the Architect that the composite-wood products contain no added urea formaldehyde.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01 60 00.

1.06 MAINTENANCE

- A. Deliver to the Owner for his use in future modifications, an extra stock of approximately 5% of each color and pattern of material, and proper adhesive, used in the work of this Section, packaging each type of material separately, distinctly marked, and adequately protected against deterioration.

PART 2 - PRODUCTS

2.01 GENERAL

- A. Materials shall be ordered not less than 60 days prior to the scheduled installation date.
- B. Vinyl wall covering shall be the product of one manufacturer.
- C. Vinyl-coated fabric wall covering: Provide Koroseal fabric in "Linden" with Teflon pattern, Division of RJF International Corp., in color as selected by the Architect from the manufacturer's standard or equal product accepted in advance by the Architect.
- D. Physical properties:
 - 1. Manufacturer's specifications in compliance with C.B.C., CH.8, 803.5 Class I/025 and UL rating, ASTM E-84 Tunnel Test:
 - a. Flame Spread: 10
 - b. Smoke Developed: 5
- E. Equal Product:
 - 1. Proprietary products and methods of the work are specified herein to establish the quality of material, design and finish, yet not to eliminate competition of other manufacturers from the Work.
 - 2. Provide the product upon which the design is based, or submit equal products ten (10) calendar days prior to bid date to be accepted in advance by the Architect in writing by addendum, in compliance with the General Provisions of the General Conditions and Section 01 63 00, prior to bid date.

2.02 OTHER MATERIALS

- A. Provide a heavy-bodied water-soluble adhesive recommended by the manufacturer of the accepted fabric.
- B. At external corners and at exposed edges of fabric, provide extruded aluminum trim from alloy 6063-T5, one-piece full length, with fine satin finish and class II clear coating complying with AA-M21-A31, in type recommended for the use by the manufacturer of the accepted fabric.
- C. Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor subject to the acceptance of the Architect.

PART 3 - EXECUTION

3.01 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to the proper and timely completion of the Work. Do not proceed with work until unsatisfactory conditions are corrected.
- B. Make moisture content tests of substrate by use of an electronic moisture meter accepted by the Architect, and verify that substrate moisture content does not exceed:
 - 1. For plaster and gypsum board: 5%;
 - 2. For masonry and concrete: 12%

3.02 PREPARATION

- A. Metal:
 - 1. Clean the surface free from rust, scale, grease, oil, and other contaminants.
 - 2. Prime bare metal with a metal primer recommended for the purpose by the manufacturer of the accepted fabric.
- B. Gypsum board and plaster:
 - 1. Over gypsum board, apply a uniform release coat of material recommended by the manufacturer of the accepted adhesive.
 - 2. Dust the surface thoroughly and remove all loose material.
 - 3. Verify proper moisture content.

3.03 INSTALLATION OF METAL MOLDING

- A. Install the accepted molding at external corners and at exposed edges of fabric, using adhesive recommended for the purpose by the manufacturer of the molding, installing true to line, using full-length stock to the maximum practicable, butting horizontal joints to form a tight hairline crack, and mitering corners.

3.04 INSTALLATION OF FABRIC

- A. Sequence:
 - 1. Use fabric in consecutive numerical sequence of their manufacturer.
 - 2. Place fabric panels sequentially in the exact order they are cut from the roll, including for filling all spaces above doors and above or below windows and similar locations.
- B. Handle the fabric in strict accordance with the manufacturer's recommendations as accepted by the Architect.
 - 1. Trim additional selvage where required to achieve a color and pattern match at seams.
 - 2. Follow the manufacturer's printed instructions for mixing adhesive.
 - 3. When overlapping the edges and double-cutting through both thicknesses, exercise care to prevent cutting the substrate.
 - 4. Wrap fabric 6" beyond inside and outside corners; not cutting at corners except when color of fabric selected is different on adjacent walls.
 - 5. Do not permit horizontal seams.
 - 6. Install the fabric prior to installation of plumbing fixtures, casing, bases, and cabinets.
 - 7. Use stiff bristled brush or flexible broad knife to eliminate air pockets and to secure fabric to substrate surfaces.
 - 8. Using a damp sponge, remove excess adhesive from each seam as it is made, wiping clean and dry with a cloth towel.

3.05 ADJUSTMENT AND CLEANING

- A. Verify that installed fabric meets or exceeds the quality of installation achieved in the accepted mock-up panels.
- B. Visually inspect to verify that installed fabric is secure, smooth, clean, without wrinkles, and with no gaps or overlaps.

- C. Inspect all seams, verifying that precise match has been achieved, and correcting mismatch of color and/or pattern as necessary to secure the Architect's acceptance.
- D. As the work progresses, clean the surplus adhesive from fabric surfaces and adjacent surfaces.

END OF SECTION

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide miscellaneous accessories, attachment devices, and required rough-in frames for the accessories indicated on drawings and specified herein for neat, complete and proper installation.

1.02 RELATED REQUIREMENTS

- A. General Provisions of the Contract Documents.
- B. Blocking necessary and unframed mirrors.

1.03 SUBMITTALS

- A. Comply with the General Provision of the General Conditions and Section 01 34 00.
- B. Samples: Submit one sample of each item and model specified.
- C. Manufacturer's catalog and data sheets, parts list, and installation requirements for each accessory item specified.
- D. Maintenance, operating instructions and keys required for each type of equipment and lock.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Comply with pertinent provisions of Section 01 60 00.
- B. Deliver items in manufacturer's original unopened protective packaging.
- C. Store materials in original protective packaging to prevent soiling, physical damage or wetting.
- D. Handle so as to prevent damage to finished surfaces.
- E. Maintain protective covers on all units until installation is complete. Remove covers at final clean-up of installation.

1.05 GUARANTEE

- A. Mirrors guaranteed for 15 years against silver spoilage. Accessories guaranteed to be free from defects in workmanship and material for a period of one year.

PART 2 - PRODUCTS

2.01 ACCESSORIES

- A. Toilet Tissue Dispenser: Bobrick B-3888 with theft resistant spindle. Locate where indicated at all W.C.'s. Holder shall not extend out beyond the grab bar. Maximum 3" projection from wall.
- B. Sanitary Napkin Disposal: Bobrick B-353. Located on the grab bar side of an accessible toilet stall and shall not project more than 3" from the wall surface nor be located closer than 1 1/2" clear of the tangent point of the grab bar.
- C. Accessible Grab Bars: Bobrick Bar B-6806 series. Side wall 48" long, back wall 36" long. Locate where indicated.
- D. Mirrors (Staff & Faculty): Bobrick B-292 1836 Series with shelf. Locate where indicated.
- E. Seat Cover Dispenser: Bobrick B-221. Locate at all toilets.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Check wall opening for correct dimensions, plumbness of blocking or frames, and other preparation that would affect installation of accessories.
- B. Check areas to receive surface-mounted units for conditions that would affect quality and execution of work.
- C. Verify spacing of plumbing fixtures and toilet partitions that affect installation of accessories.
- D. Do not begin installation of washroom accessories until openings and surfaces are acceptable.

3.02 INSTALLATION

- A. Install accessories at locations and heights indicated, level and plumb. Installation methods shall be in accordance with manufacturer's recommendations. All exposed fasteners to be tamper-proof. Finish of exposed fasteners to match items secured.
- B. Install all accessories, such as paper holders, soap dispensers, grab bars, hand and hair dryers, etc., per 2016 CBC Section 11B-603.5.
- C. Install manufacturer's recommended anchor system for all grab bars and per Title 24, Part 2, Table 11B-604.5.
- D. Conceal evidence of drilling, cutting and fitting on adjacent finishes.

- E. Fit flanges of accessories snug to wall surfaces. Provide for caulking in gaps between 90 degrees. Return flanges and finish wall surface after accessories are installed.

3.03 ADJUST AND CLEAN

- A. Adjust accessories for proper operation.
- B. Clean and polish exposed surfaces prior to final inspection.
- C. Deliver accessories schedule, keys and parts manual as part of project close-out documents. For Owner's permanent records, provide two sets of the following items of manufacturer's literature:
 - 1. Technical data sheets of each item used for the project.
 - 2. Service and parts manuals.
 - 3. Name of local representative to be contacted in the event of need of field service or consultation.

END OF SECTION

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide the finish work of this section where indicated on drawings and specified herein and as needed for a complete and proper installation.

1.02 RELATED REQUIREMENTS

- A. General provisions of the contract documents.
- B. Fire extinguisher cabinets must comply with CBC Sections 11B-307, 11B-308, 11B-309, and 11B-403.

1.03 QUALITY ASSURANCE

- A. Products and materials to be provided are to be from manufacturers and producers regularly engaged full-time in the manufacture or production of this and similar items, with a history of successful manufacture or production acceptable to the Owner.
- B. In addition to complying with pertinent codes and regulations, comply with industry and trade standards normally associated with this product or material, except where specified product or material is superior in quality to industry and trade standards.

1.04 SUBMITTALS

- A. Comply with pertinent provisions of the General Conditions and Section 01 33 00.
- B. Submit data sufficient to demonstrate compliance with specifications and drawing requirements.
- C. Submit shop drawing and catalog cuts of items to be provided. Manufacturer's or producer's standard drawings and technical information may be acceptable where complete enough to determine acceptability.
- D. Submit samples of products and materials where options of color, finish, pattern or texture exist.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Comply with pertinent provisions of the General Conditions and Section 01 60 00.
- B. Deliver products and materials to the project; store in a safe, dry place with all shop-supplied protection and labeling intact and legible until set, applied or installed.

- C. Use all reasonable means necessary to protect products and materials before, during and after installation.
- D. In event of damage, regardless of responsibility and culpability, make repairs and replacements necessary to satisfaction of Owner, and at no additional cost to Owner.

1.06 WARRANTY

- A. Provide Owner with a written warranty as a condition of work acceptance, signed by Contractor and installer (where applicable), agreeing to maintain, repair and/or replace products and materials for one year following acceptance, and without additional cost to Owner.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Fire Extinguisher Cabinets: J.L. Industries Potter-Roemer, Inc., or approved equal.
 1. At Non-Rated Walls: Ambassador Steel #8116 with full clear acrylic glazing, pull handle, and Saf-T-Lok. Provide pressure sensitive decals or red letter, 1" high, reading "FIRE EXTINGUISHER," small instruction letters reading "In Case of Fire Pull Handle Firmly." Door shall not require more than 5 lbs. of pressure to open. Handle to project 1-1/2" min. from face of cabinet and shall not require pinching, grasping or twisting of wrist.
 2. At Fire Rated Walls: Ambassador Steel FX #8116 with full clear acrylic glazing, pull handle, and Saf-T-Lok. Provide pressure sensitive decals or red letter, 1" high, reading "FIRE EXTINGUISHER," small instruction letters reading "In Case of Fire Pull Handle Firmly." Door shall not require more than 5 lbs. of pressure to open. Handle to project 1-1/2" min. from face of cabinet and shall not require pinching, grasping or twisting of wrist.
 3. At Concrete Walls: Ambassador Steel #8113 with full clear acrylic glazing, pull handle, and Saf-T-Lok. Provide pressure sensitive decals or red letter, 1" high, reading "FIRE EXTINGUISHER," small instruction letters reading "In Case of Fire Pull Handle Firmly." Door shall not require more than 5 lbs. of pressure to open. Handle to project 1-1/2" min. from face of cabinet and shall not require pinching, grasping or twisting of wrist.
- B. Extinguishers: 10 lb. Tri-Class, multi-purpose chemical by J.L. Industries, heavy duty steel extinguishers, model COSMIC 10E. All extinguishers 2A-10BC UL rated conforming to the requirements of Title 24, Section 906, Public Safety, Title 19 California Code of Regulations - tested and fully charged.
- C. Kitchen Extinguisher: 22.5 lbs Class K by J.L. Industries model SATURN 15. All kitchen extinguishers shall be Class K UL rated – tested and fully charged.
- D. At science classrooms: UL rated 4A-80BC, 10 Lb multi purpose chemical by J.L. Industries heavy duty steel extinguisher.

PART 3 - EXECUTION

3.01 WORKMANSHIP

- A. Install equipment in strict accordance with manufacturer's instructions. F.E. handle shall be 48" A.F.F. max.

3.02 CLEANUP

- A. After completion, clean up and remove all resultant debris from the site. Keep areas clean during entire operation and leave all spaces broom clean.

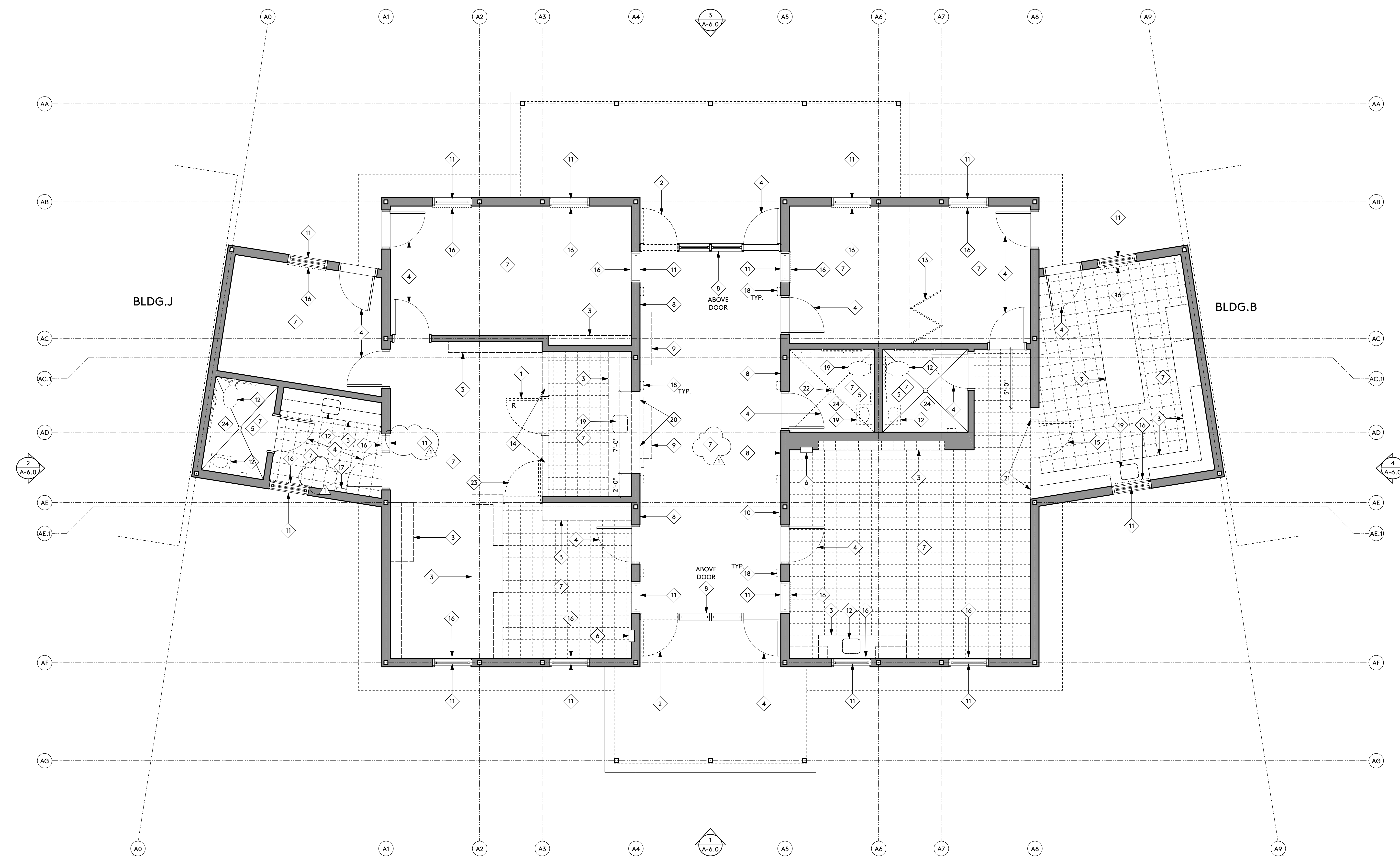
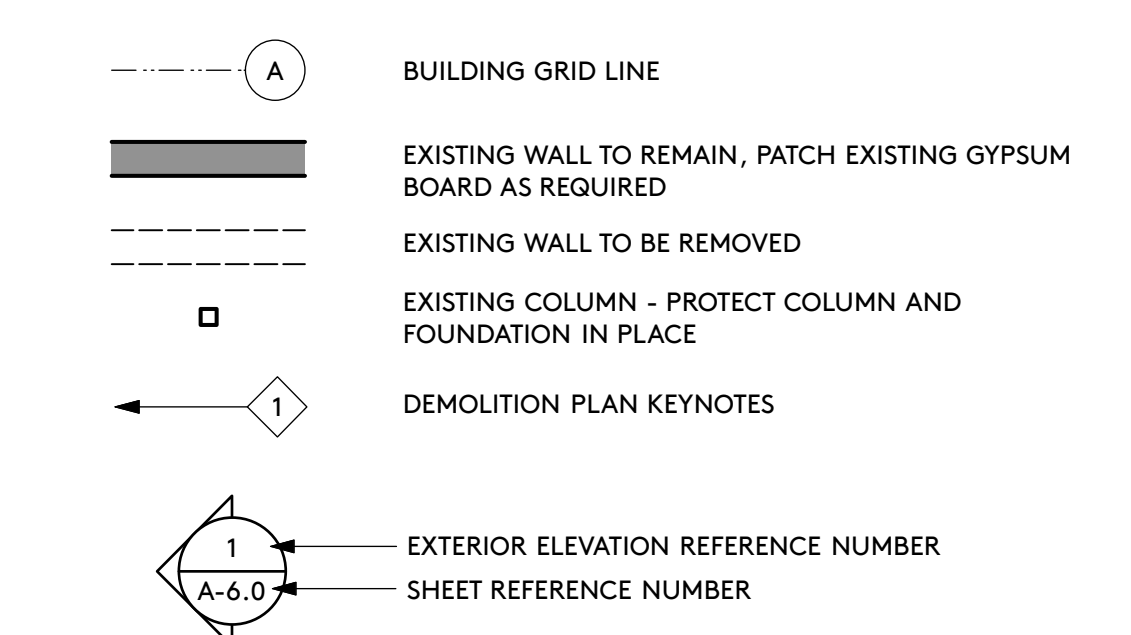
END OF SECTION

- CONTRACTOR SHALL VERIFY WITH JEFFERSON SCHOOL DISTRICT IF ITEMS BEING REMOVED ARE TO REMAIN IN POSSESSION OF THE DISTRICT
- PRIOR TO DEMOLITION AND REMOVAL OF ALL MATERIALS CONTRACTOR IS RESPONSIBLE TO VERIFY WITH THE HAZARDOUS MATERIAL REPORT ON RECORD WITH JEFFERSON SCHOOL DISTRICT
- REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR CUT-OUT LOCATIONS OF MECHANICAL DUCT AND PIPE PENETRATIONS
- TO MINIMIZE DISRUPTIONS PRIOR TO ELECTRICAL AND MECHANICAL SYSTEMS SHUT DOWN, CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH SCHOOL DISTRICT
- MISCELLANEOUS ITEMS NOT IDENTIFIED SUCH AS: DISPLAY BOARDS, CLOCKS, ACOUSTICAL PANELS, CASEWORK, PROJECTOR SCREENS, EXIT SIGNS, RESTROOM ACCESSORIES ETC. SHALL BE REMOVED BUT NOT DISPOSED OF PRIOR VERIFICATION WITH JEFFERSON SCHOOL DISTRICT
- REFER TO FLOOR PLAN FOR NEW OPENING LOCATIONS
- REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON ITEMS TO BE REMOVED, RELOCATED OR PROTECTED IN PLACE
- DIMENSIONS OF EXISTING CONDITIONS ARE BASED ON ORIGINAL DOCUMENTS AND MAY NOT REPRESENT CONSTRUCTED DIMENSIONS AND THEREFORE SHALL BE FIELD VERIFIED

DEMOLITION GENERAL NOTES

- EXISTING DOOR, HARDWARE, AND FRAME TO BE REMOVED AND RELOCATED TO ROOM A07
- EXISTING DOOR AND HARDWARE TO BE REMOVED. FRAME TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION
- EXISTING CASEWORK TO BE REMOVED, PATCH EXISTING WALL TO REMAIN
- EXISTING DOOR, FRAME, AND HARDWARE TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION
- EXISTING WALL FINISHES TO BE REMOVED DOWN TO STUDS
- EXISTING FIRE EXTINGUISHER AND CABINET TO REMAIN, PROTECT IN PLACE
- EXISTING FLOOR AND BASE MATERIAL TO BE REMOVED
- EXISTING THIN BRICK VENEER TO BE REMOVED IN ITS ENTIRETY AND ALL MATERIAL DOWN TO STUDS
- EXISTING WALL HUNG CABINETS AND ACCESSORIES TO BE REMOVED AND RETURNED TO DISTRICT
- EXISTING SCHOOL PLAQUE TO BE REMOVED AND SAVED FOR RELOCATION. SEE A-2.1 FOR NEW LOCATION
- EXISTING WINDOW AND FRAME TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION
- EXISTING PLUMBING FIXTURE TO BE REMOVED PER PLUMBING DRAWINGS
- EXISTING OPERABLE WALL TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANY STRUCTURAL COMPONENTS AND WALL TRACKS
- EXISTING WALL TO BE REMOVED AS REQUIRED FOR WORK INDICATED ON PLANS
- EXISTING DOOR, HARDWARE AND FRAME TO BE REMOVED
- EXISTING BLINDS/ SHADES TO BE REMOVED. CLEAN AND RE-INSTALL AFTER MODERNIZATION
- EXISTING ACCESSORIES TO BE REMOVED, PATCH AND REPAIR WALLS AS NECESSARY, RE-INSTALLED AFTER MODERNIZATION
- EXISTING WALL POP-OUTS TO BE REMOVED
- EXISTING PLUMBING FIXTURE TO BE REMOVED. CAP AND PATCH ALL RELATED PLUMBING AS REQUIRED, REFER TO PLUMBING DRAWINGS.
- EXISTING PORTION OF WALL TO BE REMOVED FROM FLOOR TO +7'-0" A.F.F. AS SHOWN REFER TO MODERNIZATION PLAN & REFLECTED CEILING FOR ADDITIONAL INFORMATION
- EXISTING PORTION OF WALL TO BE REMOVED FROM FLOOR TO +8'-0" A.F.F. AS SHOWN REFER TO MODERNIZATION PLAN & REFLECTED CEILING FOR ADDITIONAL INFORMATION
- REMOVE EXISTING FLOOR DRAIN CAP AND PATCH FLOOR AS REQUIRED.
- EXISTING PEDESTRIAN CONTROL SWING GATE TO BE REMOVED
- ALL EXISTING RESTROOM ACCESSORIES TO BE REMOVED.

DEMOLITION KEYNOTES



A01 RECEPTION/WAITING	A09 TEACHER WORKROOM
A02 OFFICE	A10 STORAGE ROOM
A03 PRINCIPAL	A11 STAFF RESTROOM
A04 ASSISTANT PRINCIPAL	A12 COUNSELOR OFFICE
A05 NURSE RESTROOM	A13 PSYCHOLOGIST OFFICE
A06 NURSE	A14 TEACHER WORKROOM
A07 STORAGE/WORKROOM	
A08 CONFERENCE	

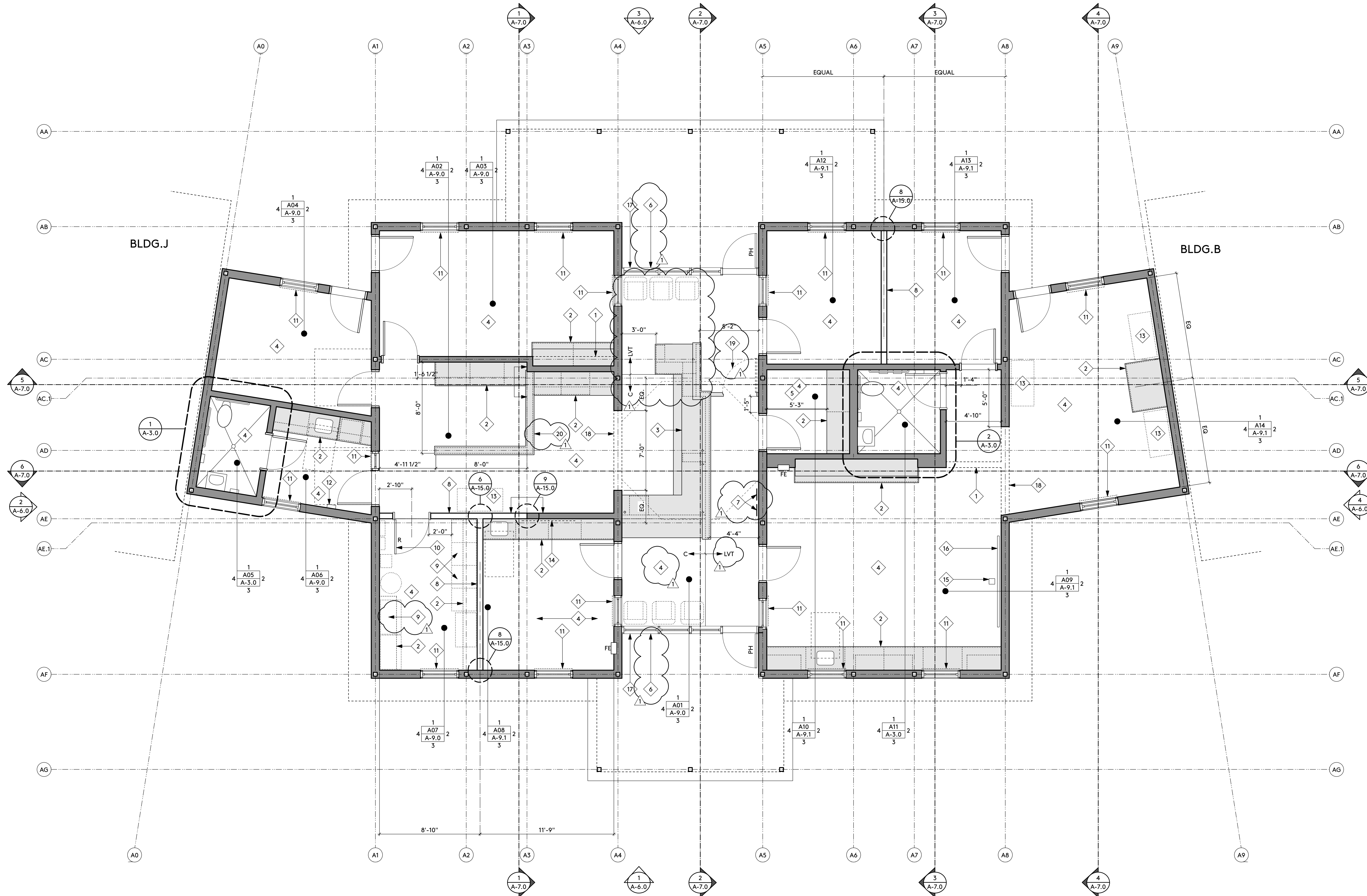
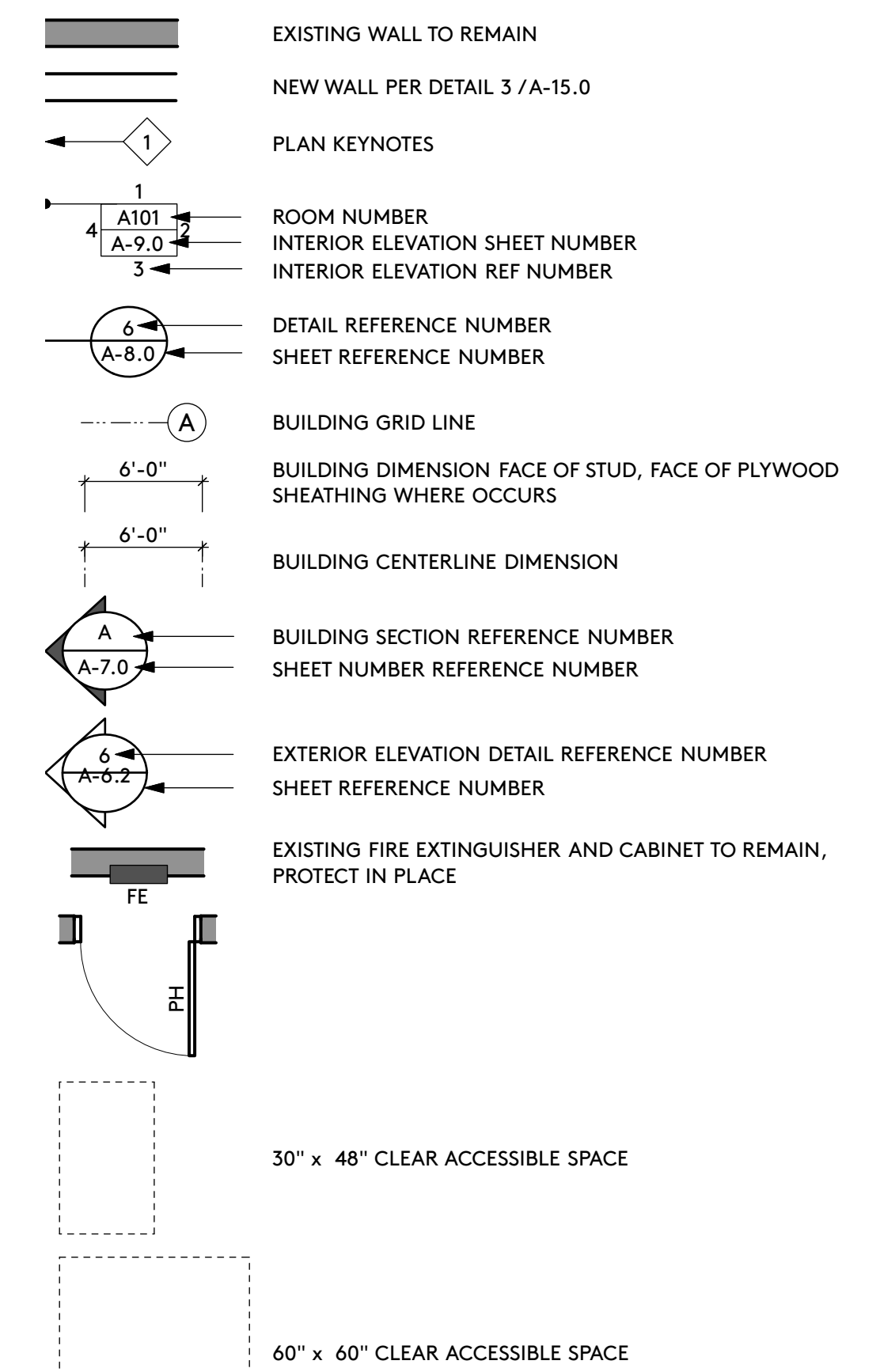
ROOM SCHEDULE

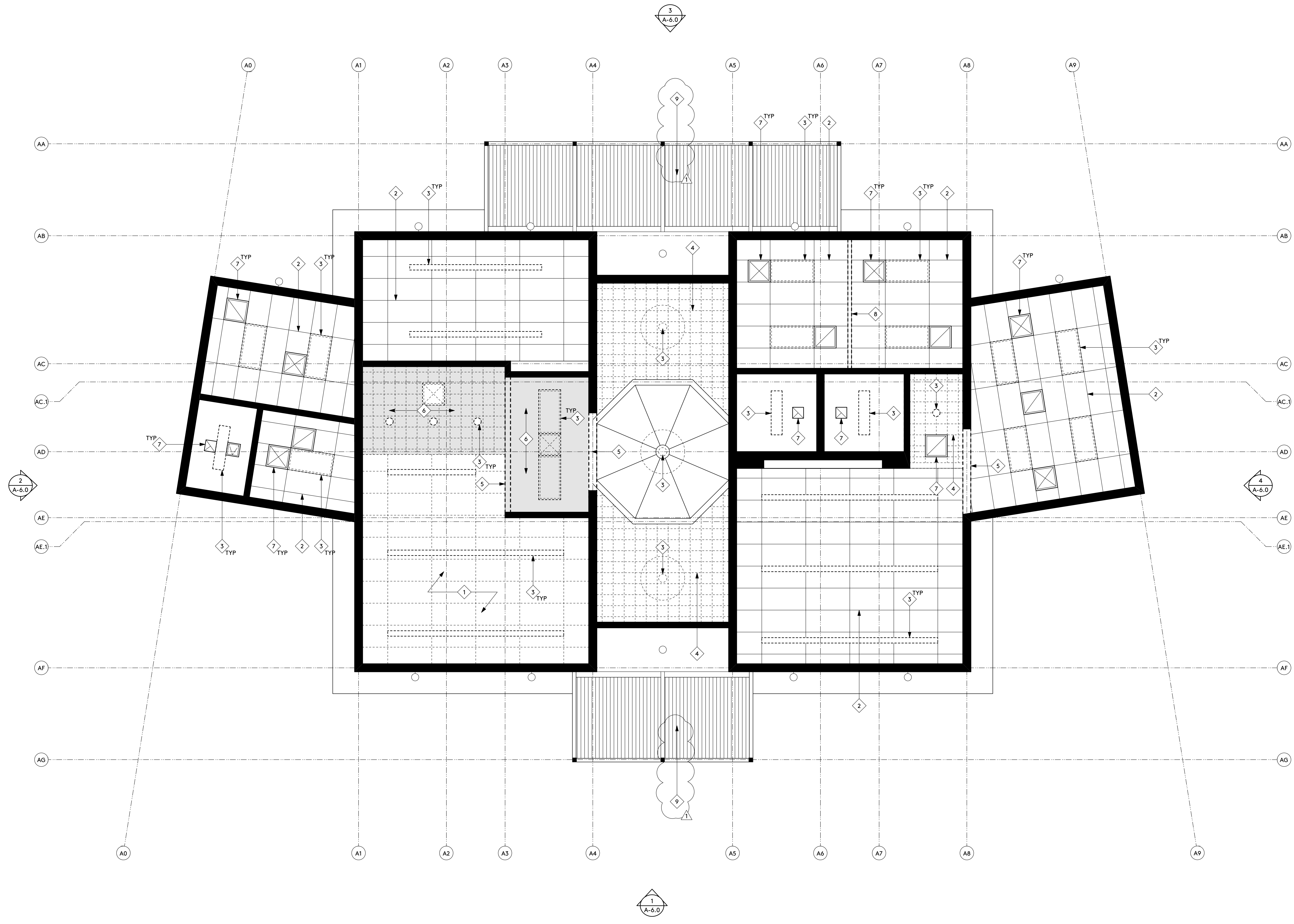
- ALL INTERIOR EXISTING AND RELOCATED DOORS AND FRAMES TO BE PAINTED, COLOR TO MATCH EXISTING. PROTECT HARDWARE FROM OVER PAINT.
- ALL INTERIOR EXISTING WINDOW FRAMES TO BE PAINTED, COLOR TO MATCH EXISTING. PROTECT GLASS AND HARDWARE FROM OVER PAINT.
- ALL EXISTING AND NEW GYPSUM BOARD TO BE PATCHED, PREPPED AND PAINTED OR HAVE WALL VINYL APPLIED PER FINISH SCHEDULE AND INTERIOR ELEVATIONS
- REFER TO DETAIL 3 AND 4/A-13.0 FOR TYPICAL CABINET CLEARANCES

MODERNIZATION GENERAL NOTES

- LINE OF EXISTING CEILING / SOFFIT ABOVE, REFER TO REFLECTED CEILING PLANS
- NEW PLASTIC LAMINATE CASEWORK REFER TO INTERIOR ELEVATIONS AND SPECIFICATIONS. PROVIDE BACKING IN WALL AT ALL UPPER CABINET LOCATIONS.
- RECEPTION DESK CASEWORK PER DETAIL #2 / A-13.0
- REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL AND FLOOR FINISHES
- REMOVE AND CAP EXISTING FLOOR DRAIN. LEVEL FLOOR TO MATCH EXISTING BUILDING FINISH FLOOR
- REMOVE EXISTING DOOR FRAME PER DETAIL #3/A-10.0
- RELOCATE NEW SCHOOL PLAQUE AND PROVIDE NEW ONE PER SPECIFICATIONS. VERIFY EXACT LOCATION WITH ARCHITECT.
- NEW 2" FLUA HEIGHT METAL STAIR WALK WITH RATT INSULATION PER DETAIL #3 / A-15.0
- LOCATION FOR CUMULATIVE FILES (NIC)
- RELOCATED 3'-0" X 7'-0" SOLID CORE DOOR HALLOW METAL FRAME AND LEVER HARDWARE FROM DEMOLITION.
- RE-INSTALL EXISTING BLINDS/SHADES
- RE-INSTALL EXISTING ACCESSORIES
- LOCATION FOR COPIER (NIC), REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- (OFCI) WALL MOUNTED TELEVISION. CHECK WITH OWNER FOR EXACT TELEVISION SIZE AND LOCATION. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. SEE BACKING DETAIL #3 /A-15.1, ATTACH TO BACKING PER MANUFACTURER'S RECOMMENDATIONS.
- ULTRA SHORT THROW PROJECTOR REFER TO ELECTRICAL DRAWINGS. REFER TO BACKING DETAIL #3 / A-15.1, ATTACH TO BACKING PER MANUFACTURER'S RECOMMENDATIONS.
- 60" X 96" PROJECTION / DRY ERASE WHITE BOARD PER SPECIFICATIONS, REFER TO BACKING DETAIL #3 / A-15.1, ATTACH TO BACKING PER MANUFACTURER'S RECOMMENDATIONS.
- NEW GLASS AND FRAME PER SPECIFICATION AND DETAIL #3 / A-10.0
- NEW GYP-BOARD SOFFIT HEADER. REFER TO REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS FOR CONTROL PANEL PER DETAIL #2 / A-13.0
- NEW LOW WALL - REFER TO DETAIL #1 / A-15.0

MODERNIZATION KEYNOTES



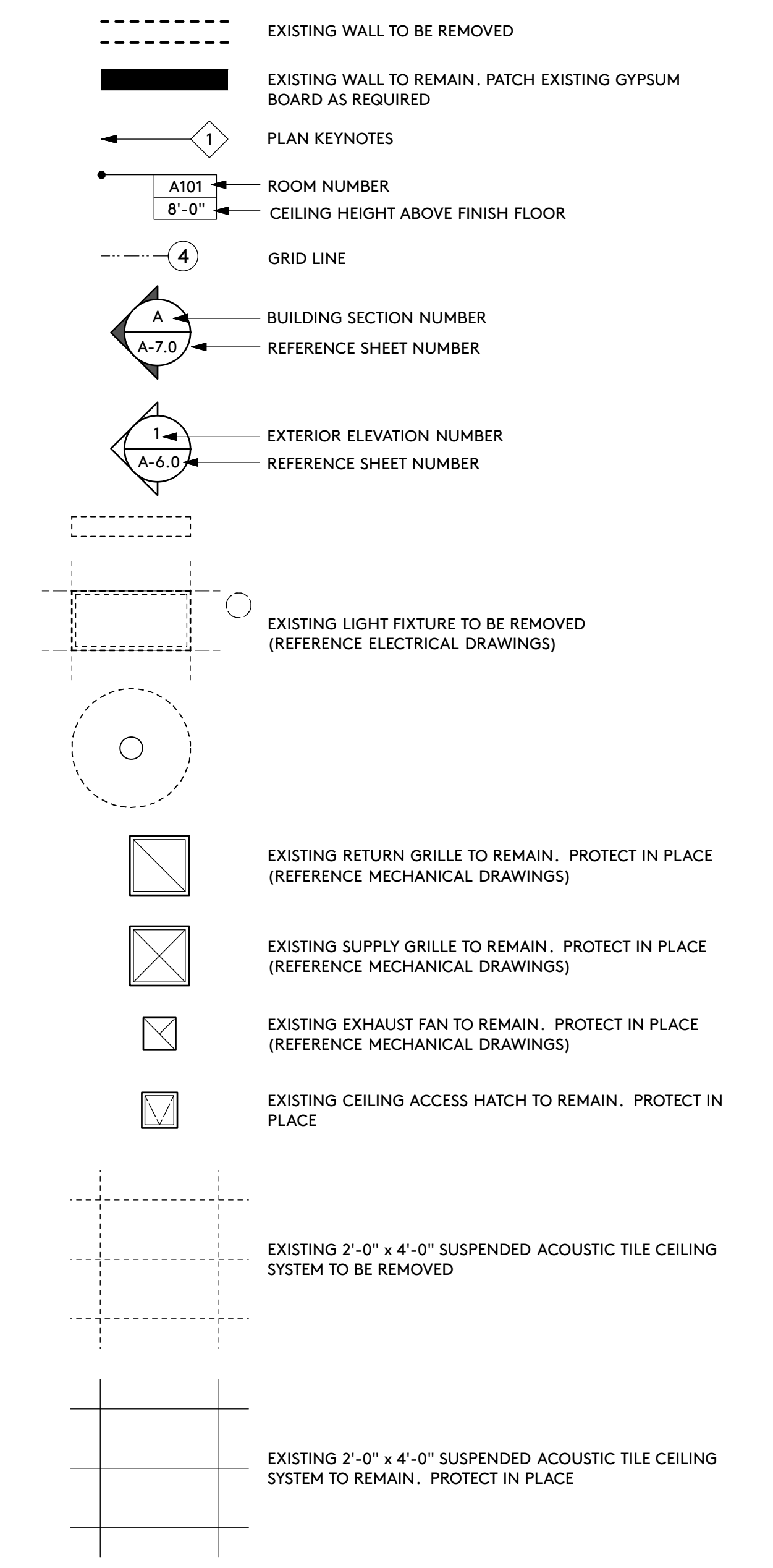


1. CONTRACTOR SHALL VERIFY WITH JEFFERSON SCHOOL DISTRICT IF ITEMS BEING REMOVED ARE TO REMAIN IN POSSESSION OF THE DISTRICT
2. PRIOR TO DEMOLITION AND REMOVAL OF ALL MATERIALS CONTRACTOR IS RESPONSIBLE TO VERIFY WITH THE HAZARDOUS MATERIAL REPORT ON RECORD WITH JEFFERSON SCHOOL DISTRICT
3. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR CUT-OUT LOCATIONS OF MECHANICAL DUCT AND PIPE PENETRATIONS
4. TO MINIMIZE DISRUPTIONS PRIOR TO ELECTRICAL AND MECHANICAL SYSTEMS SHUT DOWN, CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH SCHOOL DISTRICT
5. MISCELLANEOUS ITEMS NOT IDENTIFIED SUCH AS: DISPLAY BOARDS, CLOCKS, ACOUSTICAL PANELS, CASEWORK, PROJECTOR SCREENS, EXIT SIGNS, RESTROOM ACCESSORIES ETC. SHALL BE REMOVED BUT NOT DISPOSED OF PRIOR VERIFICATION WITH JEFFERSON SCHOOL DISTRICT
6. REFER TO FLOOR PLAN FOR NEW OPENING LOCATIONS
7. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON ITEMS TO BE REMOVED OR PROTECTED IN PLACE
8. DIMENSIONS OF EXISTING CONDITIONS ARE BASED ON ORIGINAL DOCUMENTS AND MAY NOT REPRESENT CONSTRUCTED DIMENSIONS AND THEREFORE SHALL BE FIELD VERIFIED

DEMOLITION GENERAL NOTES

1. REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEM IN ITS ENTIRETY
2. REMOVE EXISTING 2x4 ACOUSTICAL LAY-IN TILES. EXISTING GRID TO REMAIN AND BE PROTECTED IN PLACE
3. REMOVE EXISTING LIGHT FIXTURES, REFER TO ELECTRICAL PLANS
4. REMOVE EXISTING 12x12 GLUE-UP ACOUSTIC TILES DOWN TO SUBSTRATE
5. EXISTING PORTION OF WALL TO BE REMOVED, REFER TO DEMOLITION PLAN
6. REMOVE FRAMED CEILING IN ITS ENTIRETY (AREA INDICATED WITH SHADE)
7. EXISTING MECHANICAL FANS, GRILLES, TO REMAIN
8. MODIFY EXISTING SUSPENDED CEILING GRID AS REQUIRED FOR CONSTRUCTION OF NEW WALL
9. REMOVE AND SCRAPE EXISTING PAINT AT UNDERSIDE OF METAL DECK CANOPIES. PREP TO RECEIVE NEW FINISH.

DEMOLITION KEYNOTES



DEMOLITION CEILING PLAN SYMBOLS

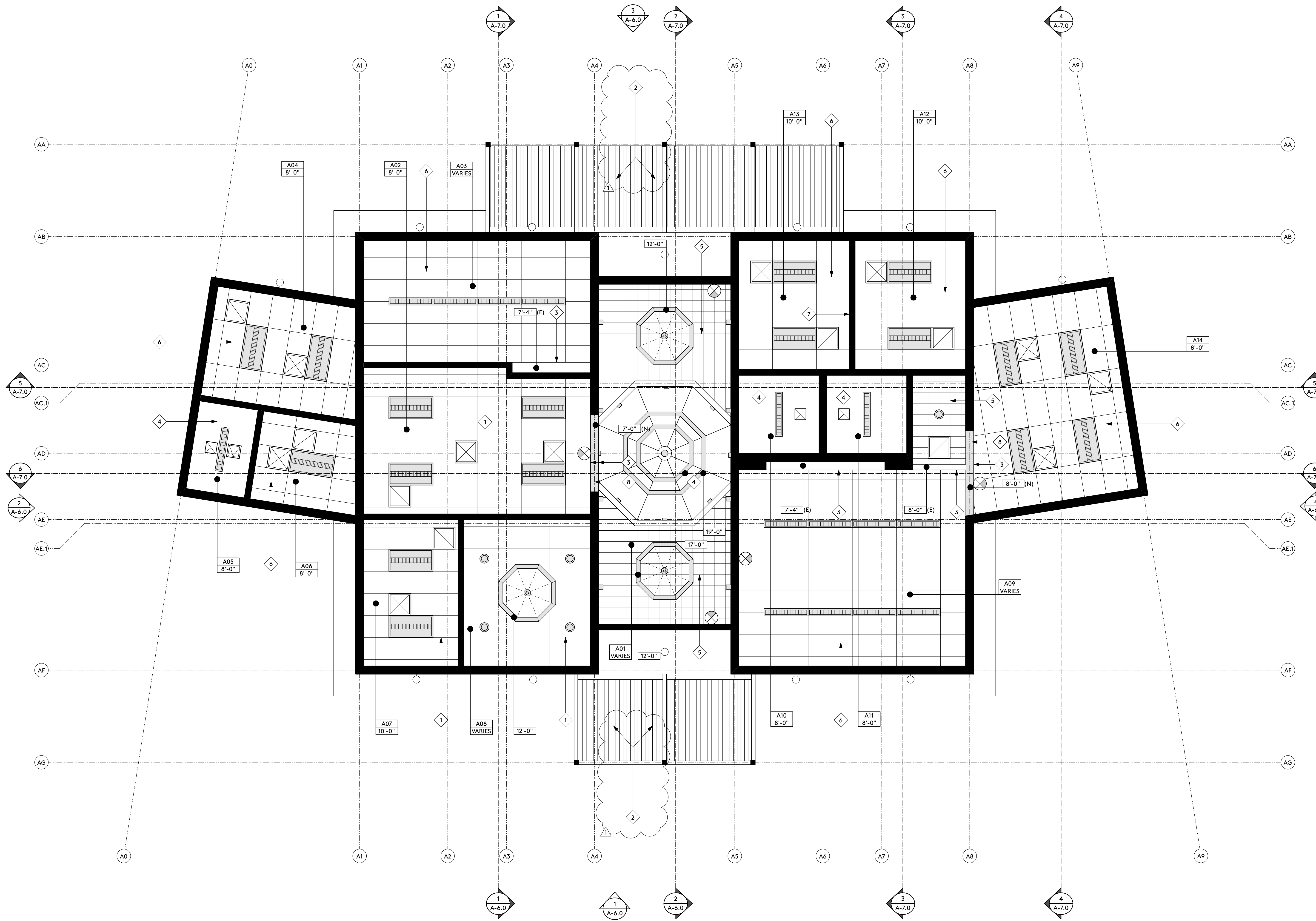
A01 RECEPTION/WAITING	A09 TEACHER WORKROOM
A02 OFFICE	A10 STORAGE ROOM
A03 PRINCIPAL	A11 STAFF RESTROOM
A04 ASSISTANT PRINCIPAL	A12 COUNSELOR OFFICE
A05 NURSE RESTROOM	A13 PSYCHOLOGIST OFFICE
A06 NURSE	A14 TEACHER WORKROOM
A07 STORAGE/WORKROOM	
A08 CONFERENCE	

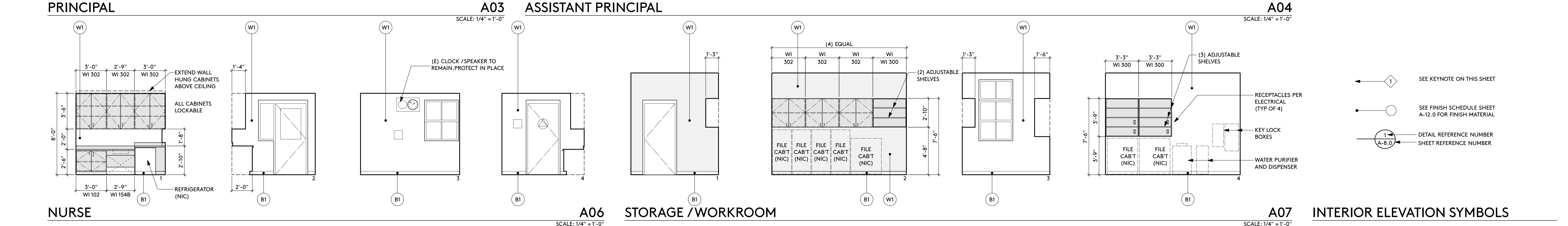
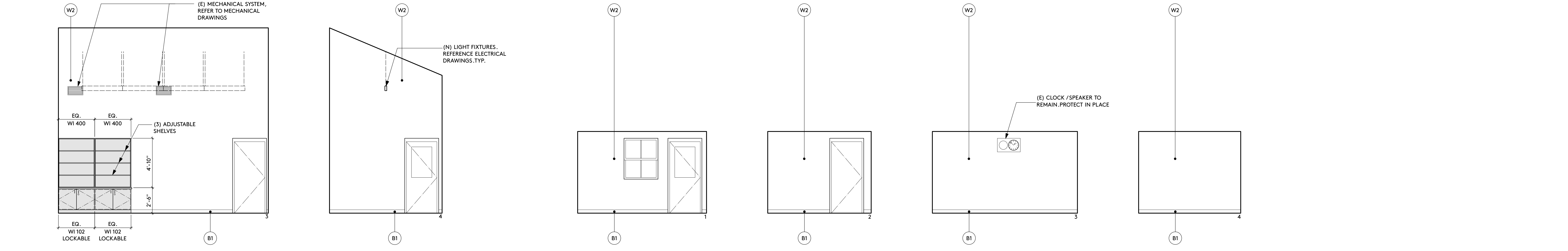
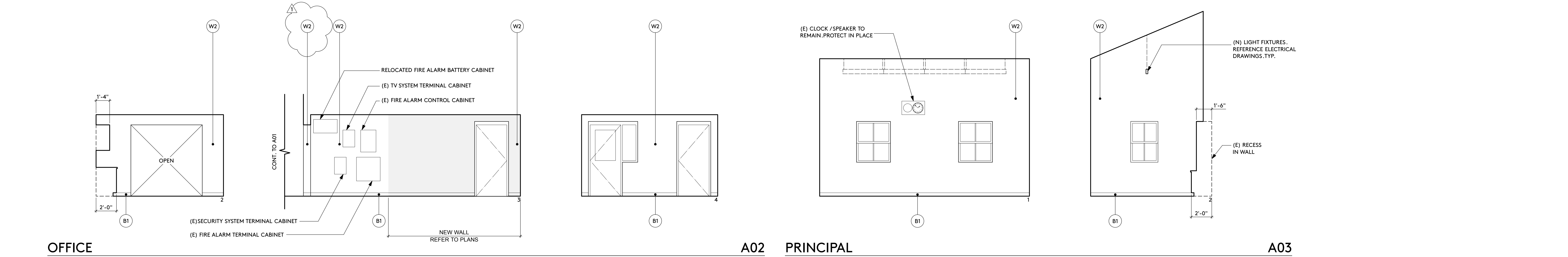
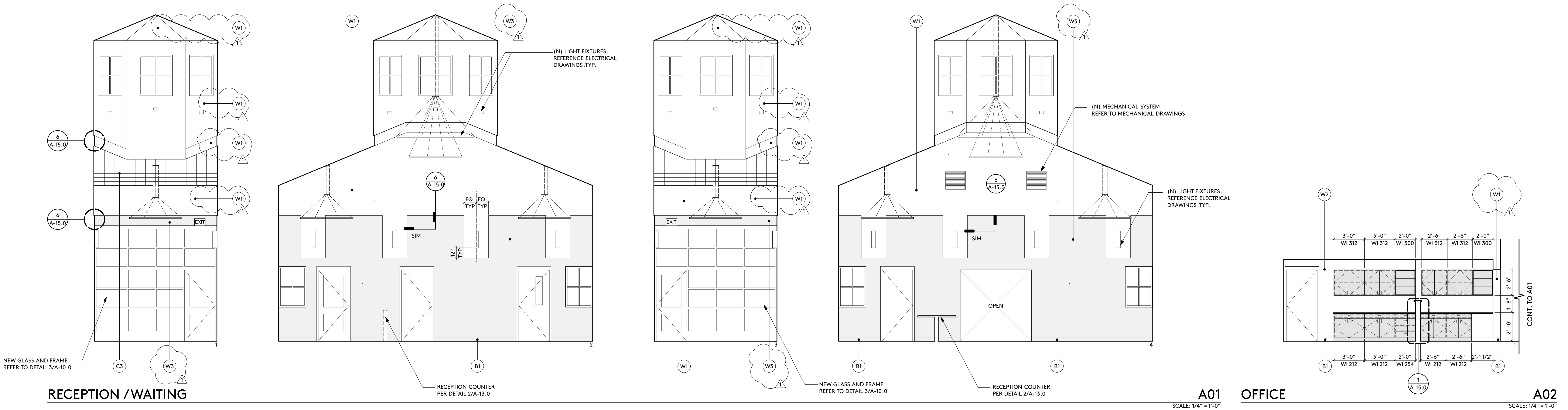
ROOM SCHEDULE

- NEW 2'-0" x 4'-0" SUSPENDED ACOUSTIC TILE CEILING PER SPECIFICATIONS
- PRIME AND PROVIDE NEW EXTERIOR PAINT AT UNDERSIDE OF EXPOSED METAL DECK CANOPIES, REFER TO SPECIFICATIONS
- LINE OF SOFFIT EDGE
- PATCH AND PAINT EXISTING GYPSUM CEILING, REFER TO FINISH SCHEDULE
- PATCH /PREP EXISTING GYPSUM BOARD AS REQUIRED FOR INSTALLATION OF NEW 12x12 GLUE-UP ACOUSTIC TILE. INSTALL WITH ALL TRIM AS REQUIRED FOR COMPLETE FINISHED INSTALLATION
- NEW 2x4 ACOUSTIC TILES IN EXISTING SUSPENDED CEILING GRID, REFER TO SPECIFICATIONS
- MODIFY EXISTING SUSPENDED CEILING GRID AS REQUIRED FOR CONSTRUCTION OF NEW WALL
- AREA OF NEW GYPSUM BOARD CEILING/SOFFIT, REFER TO DETAIL #10/A-15.0

MODERNIZATION KEYNOTES

- WALL PER FLOOR PLANS
- PLAN KEYNOTES
- ROOM NUMBER
- CEILING HEIGHT ABOVE FINISH FLOOR
- (N) NEW (E) EXISTING
- GRID LINE
- BUILDING SECTION NUMBER
REFERENCE SHEET NUMBER
- EXTERIOR ELEVATION NUMBER
REFERENCE SHEET NUMBER
- NEW LIGHT FIXTURES
(REFERENCE ELECTRICAL DRAWINGS)
- EXIT SIGN (REFERENCE ELECTRICAL DRAWINGS)
- RETURN GRILLE
(REFERENCE MECHANICAL DRAWINGS)
- SUPPLY GRILLE
(REFERENCE MECHANICAL DRAWINGS)
- EXHAUST FAN
(REFERENCE MECHANICAL DRAWINGS)
- EXISTING CEILING ACCESS HATCH
- 2'-0" x 4'-0" SUSPENDED ACOUSTIC TILE CEILING SYSTEM PER A-14.0 AND SPECIFICATIONS. REFERENCE PLAN FOR AREAS OF (N) OR (E) GRID, (N) ACOUSTIC TILES REQUIRED THROUGHOUT

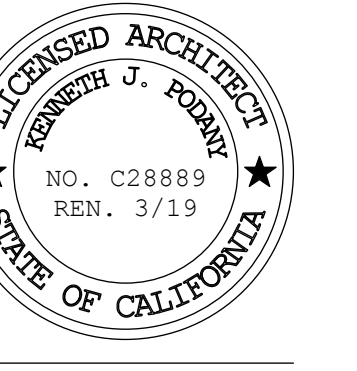




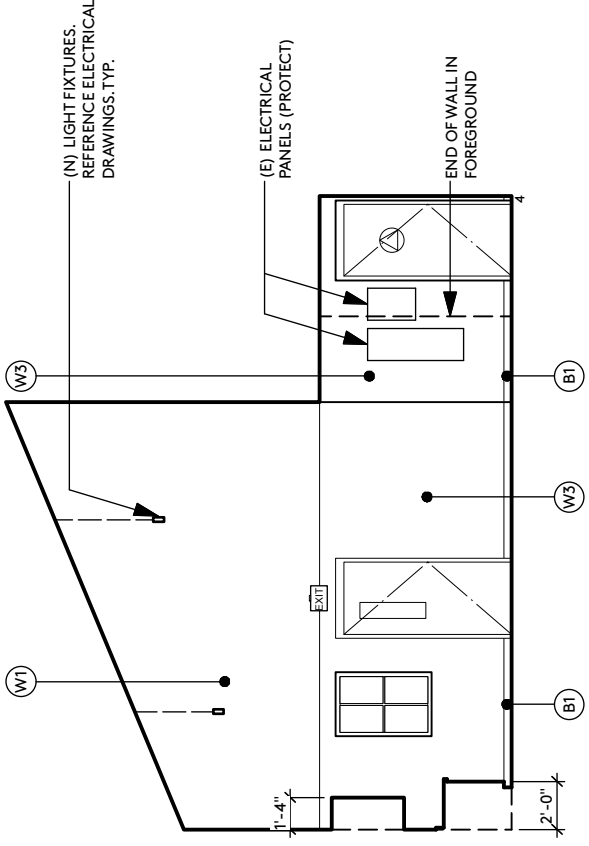
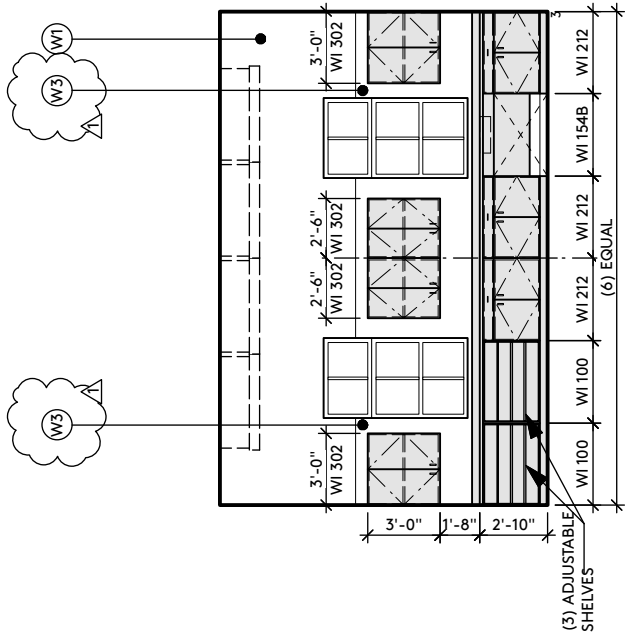
INTERIOR ELEVATION SYMBOLS

ROOM NUMBER	ROOM NAME	FLOOR								BASE					WALLS										CEILING								REMARKS
		F1	F2	F3	F4	F5	F6	F7	F8	B1	B2	B3	B4	B5	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	C1	C2	C3	C4	C5	C6	C7	C8	
A01	RECEPTION /WAITING	●	●							●					●	●	1								●	●							
A02	OFFICE	●								●					●										●	●							
A03	PRINCIPAL	●								●					●										●	●							
A04	ASSISTANT PRINCIPAL	●								●					●										●	●							
A05	NURSE RESTROOM			●							●						●								●	●							
A06	NURSE	●								●					●										●	●							
A07	STORAGE /WORKROOM	●								●					●										●	●							
A08	CONFERENCE	●								●					●										●	●							
A09	TEACHER WORKROOM	●								●					●										●	●	●						
A10	STORAGE ROOM									●					●										●	●							
A11	STAFF RESTROOM			●							●						●								●	●							
A12	COUNSELOR OFFICE	●								●					●										●	●							
A13	PSYCHOLOGIST OFFICE	●								●					●										●	●							
A14	TEACHER WORKROOM	●								●															●	●							

FINISH SCHEDULE



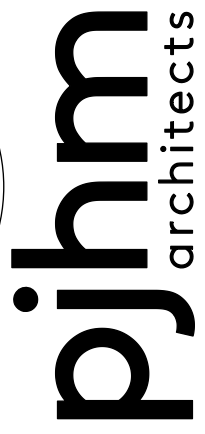
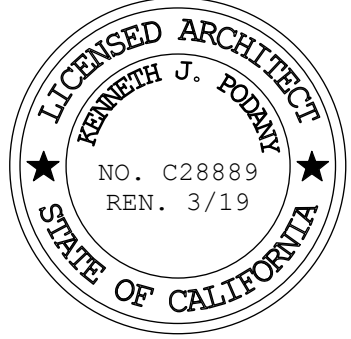
TOM HAWKINS ELEMENTARY SCHOOL
 ADMINISTRATION MODERNIZATION
 JEFFERSON SCHOOL DISTRICT



TEACHER WORKROOM

A09

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



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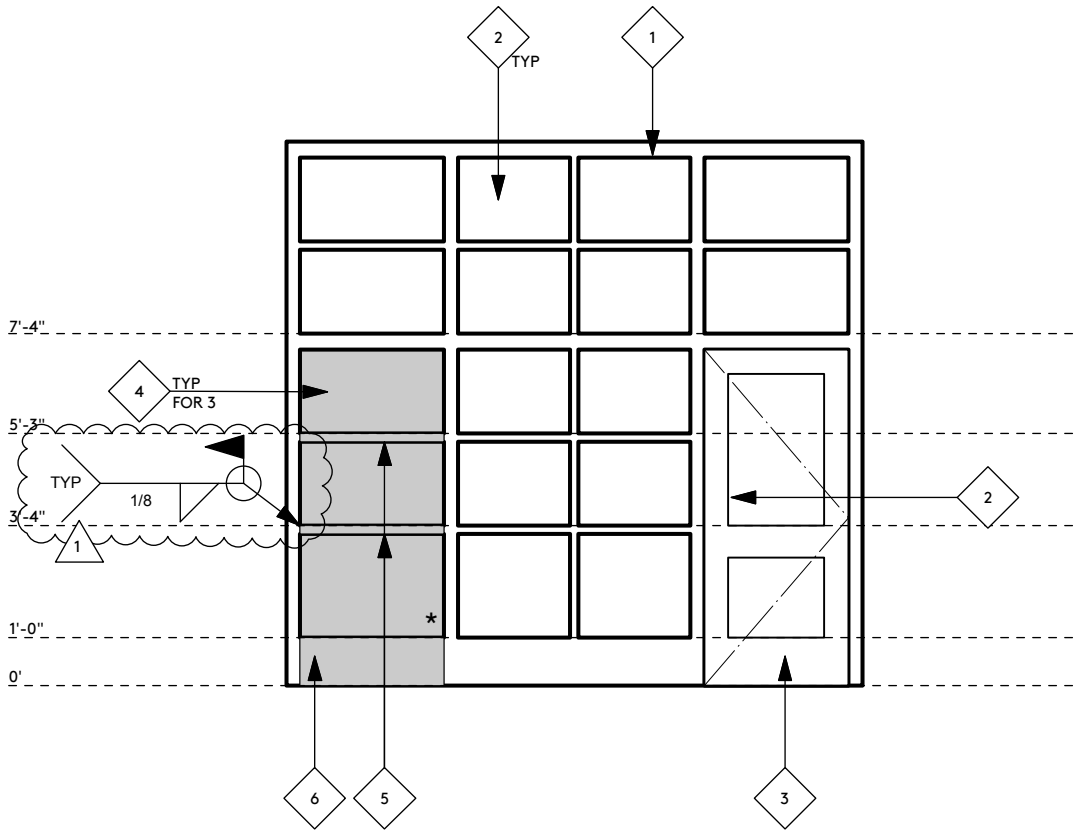
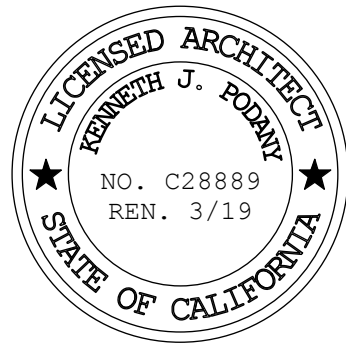
TOM HAWKINS ELEMENTARY SCHOOL
ADMINISTRATION MODERNIZATION

JEFFERSON SCHOOL DISTRICT

INTERIOR ELEVATION
(REFERENCE A-9.1)

ADD-1

ASK-1



A MODERNIZATION

FRAME DETAIL ROOM A01 (QUANTITY OF 2)

3

SCALE: 1/4" = 1'-0"

OPENING SCHEDULE, FRAME
TYPES AND SIGN DETAILS
(REFERENCE A-10.0)

ADD-1

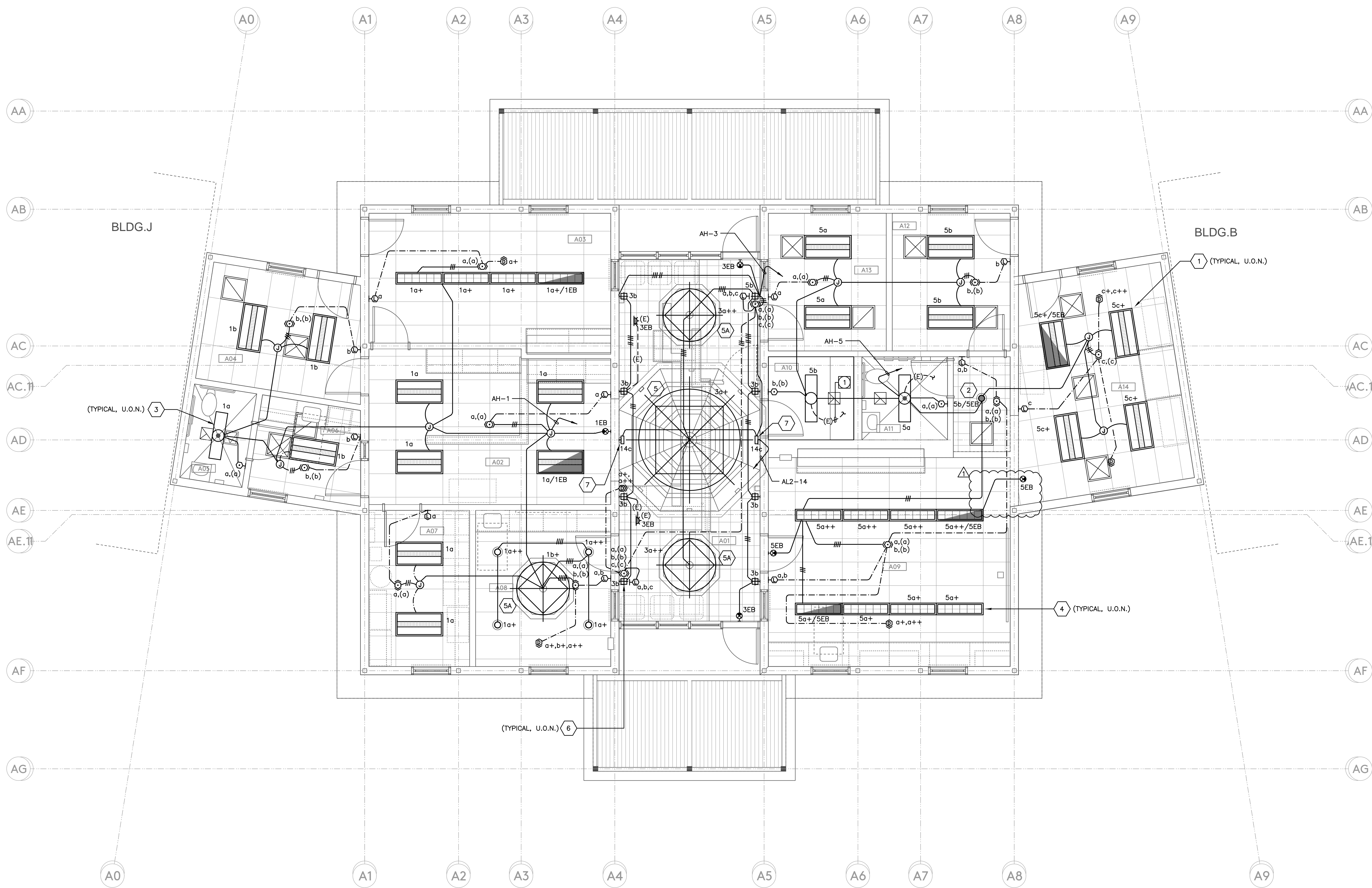
ASK-2

A01 RECEPTION/WAITING	A09 TEACHER PREP ROOM
A02 OFFICE	A10 STORAGE ROOM
A03 PRINCIPAL	A11 RESTROOM
A04 ASSISTANT PRINCIPAL	A12 OFFICE
A05 RESTROOM	A13 OFFICE
A06 NURSE	A14 TEACHER WORKROOM
A07 STORAGE/WORKROOM	
A08 CONFERENCE	

ROOM SCHEDULE

PLAN NOTES:

- 1 EXISTING CONNECTION TO HVAC UNIT TO REMAIN PROTECTED IN PLACE.



LIGHTING PLAN GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION OF ALL LIGHTING FIXTURES AND ALL DEVICES. ALL WALL-MOUNTED DEVICE HEIGHTS SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2. VERIFY EXACT CEILING CONSTRUCTION WITH ARCHITECTURAL REFLECTED CEILING PLAN AND PROVIDE LIGHTING FIXTURES WITH ALL NECESSARY MOUNTING HARDWARE.
3. ALL RECESSED FIXTURES SHALL BE PROVIDED WITH ALL REQUIRED STRUCTURAL SUPPORTS AS REQUIRED BY THE CURRENTLY ADOPTED ISSUE OF THE IBC, OR CBC WHERE ADOPTED, IN ADDITION TO ANY LOCAL CODES.
4. ALL COVE MOUNTED FIXTURES SHALL EXTEND THE FULL LENGTH OF THE COVE. CONTRACTOR TO FIELD MEASURE COVE LENGTH AND ORDER QUANTITY OF FIXTURES AS REQUIRED.
5. ALL DIMMING BRANCH CIRCUITS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH ZONE/CHANNEL.
6. ALL FLUORESCENT DIMMING ZONES/CHANNELS SHALL BE PROVIDED WITH 3 LINE VOLTAGE CONDUCTORS (NEUTRAL, DIMMED HOT, SWITCHED HOT) OR 2 LINE VOLTAGE CONDUCTORS/2 CONTROL CONDUCTORS AS REQUIRED BY THE CONTROL/BALLAST TYPE.
7. ALL EMERGENCY BATTERY PACK FIXTURES SHALL BE PROVIDED WITH A CONSTANT HOT CONNECTION TO THE CHARGING LEAD. SEE GENERAL LIGHTING FIXTURE SCHEDULE NOTES FOR MORE INFORMATION.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXIT SIGN CHEVRONS AND NUMBER OF PAGES PER EXIT SIGN. ANY DISCREPANCIES BETWEEN EXIT SIGNS SHOWN ON THE ELECTRICAL AND ARCHITECTURAL PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING EXIT SIGNS.
9. WHEN EXPOSED CEILINGS OR OPEN GRID CONDITIONS OCCUR, THE CONTRACTOR WILL NEED TO PROVIDE THE FOLLOWING ITEMS:
 - ALL BRANCH CIRCUITS SHALL BE IN EMT.
 - ALL BRANCH CIRCUITS SHALL BE ROUTED, NEATLY TRAINED, AND IN PARALLEL TO STRUCTURES OR DUCT WORK. THE TERM "TRAINED" MEANS ALL PARALLEL CONDUITS SHALL MAINTAIN THE SAME SPATIAL RELATIONSHIP WITH EACH OTHER FOR ENTIRE RUN TO INCLUDE RADIUS BENDS AND SWEEPS.
10. ALL LED REMOTE INDICATORS FOR DUCT DETECTORS AND FIRE/SMOKE DAMPERS REQUIRED BY THE LOCAL AHJ SHALL BE LOCATED IN CEILINGS IN COORDINATION WITH ARCHITECT PRIOR TO ANY ROUGH-IN.
11. RECESSED FIXTURES LOCATED IN A FIRE-RATED CEILING OR WALL SHALL BE PROVIDED WITH A 5-SIDED RATED ENCLOSURE SO CONSTRUCTED AS TO ALLOW CODE AND MANUFACTURER-REQUIRED CLEARANCES BETWEEN THE FIXTURE AND THE ENCLOSURE.
12. PROVIDE REDUNDANT GROUND PATH IN ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS CONSISTING OF A SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC, OR GEC WHERE ADOPTED, ART 517.13.
13. PROVIDE ADDITIONAL J-BOX NEAR PANEL FOR MULTIPLE HOMERUN CIRCUITRY.
14. UNLESS SPECIFICALLY SHOWN AS (E), (R), (ER), (D), EXISTING OR NON-BOLD, ALL ELECTRICAL DEVICES SHOWN ARE NEW.
15. REFER TO GENERAL POWER PLAN NOTES AND COMMUNICATIONS PATHWAYS GENERAL NOTES FOR ADDITIONAL REQUIREMENTS WHEN POWER AND/OR DATA DEVICES ARE SHOWN ON THIS PLAN.

- | | |
|-------------------------|-----------------------|
| A01 RECEPTION/WAITING | A09 TEACHER PREP ROOM |
| A02 OFFICE | A10 STORAGE ROOM |
| A03 PRINCIPAL | A11 RESTROOM |
| A04 ASSISTANT PRINCIPAL | A12 OFFICE |
| A05 RESTROOM | A13 OFFICE |
| A06 NURSE | A14 TEACHER WORKROOM |
| A07 STORAGE/WORKROOM | |
| A08 CONFERENCE | |

ROOM SCHEDULE

PLAN NOTES:

- FOR LED MONITOR, VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE FLUSH 4S DEEP BOX WITH 1-GANG RING AND HDMI FACEPLATE, AND 1 CAT-6 DATA CABLE, BEHIND THE LED MONITOR. PROVIDE FLUSH 4S DEEP BOX AT +18"A.F.F. WITH 1-GANG RING AND HDMI FACEPLATE, CONNECT BOTH BOXES TOGETHER WITH 1"CONDUIT AND HDMI CABLE. COORDINATE FINAL LOCATION IN FIELD WITH ARCHITECT AND ALL OTHER CONTRACTORS.
- PROVIDE NEW FACEPLATE(S) AT EXISTING DEVICE LOCATION(S). PROVIDE NEW MACHINE GENERATED LABELS. RETERMINATE EXISTING OUTLETS INTO THE NEW FACEPLATE(S).
- REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND CASEWORK DETAILS FOR MOUNTING OF RECEPTACLES AT DESK.
- PROVIDE ADDITIONAL CAT-6 PATCH PANELS AS REQUIRED TO TERMINATE ALL NEW CAT-6 CABLING. PROVIDE CAT-6A PATCH PANELS AS REQUIRED TO TERMINATE ALL NEW CAT-6A CABLING. PROVIDE ONE 5-FOOT LONG CAT-6 PATCH CORD FOR EACH CAT-6 CABLE. PROVIDE ONE 5-FOOT LONG CAT-6A PATCH CORD FOR EACH CAT-6A CABLE TERMINATED IN MDF/IDF RACK.
- MODIFY EXISTING RAULAND TELECENTER ICS HEADEND EQUIPMENT AS MAY BE REQUIRED. PROVIDE ADDITIONAL AMPS, TERMINALS, CONTROLS, AND ALL OTHER COMPONENTS AS REQUIRED TO ACCOMMODATE THE SCOPE OF THIS PROJECT.
- MODIFY EXISTING CORTECO MILLENNIUM TELEPHONE SYSTEM EQUIPMENT. PROVIDE ADDITIONAL PROGRAMMING, STATION CARDS, TERMINATIONS, ETC AS REQUIRED TO ACCOMMODATE THE SCOPE OF THIS PROJECT.
- MODIFY EXISTING DSC INTRUSION ALARM PANEL. PROVIDE ADDITIONAL ZONE EXPANSION MODULE, POPITS, TERMINAL STRIPS, POWER SUPPLY, AND REPROGRAMMING, ETC AS REQUIRED TO ACCOMMODATE THE SCOPE OF THIS PROJECT.
- PROVIDE FLUSH 4S DEEP BOX WITH 1-GANG RING AND HDMI FACEPLATE. LOCATE BEHIND WALL-MOUNTED ULTRA-SHORT THROW PROJECTOR. COORDINATE FINAL LOCATION IN FIELD WITH ARCHITECT AND ALL CONTRACTORS. PROVIDE 1" CONDUIT WITH HDMI CABLE FROM THIS FACEPLATE TO THE HDMI INPUT FACEPLATE LOCATED +18"A.F.F. ROUTE CONDUITS CONCEALED IN WALLS.
- PROVIDE FLUSH 4S DEEP BOX WITH 1-GANG RING AND HDMI INPUT FACEPLATE. LOCATE +18"A.F.F. SEE PLAN NOTE 8 FOR REQUIRED HDMI CABLE CONNECTION FROM THIS INPUT FACEPLATE TO HDMI FACEPLATE BEHIND PROJECTOR. ROUTE CONDUITS CONCEALED IN WALLS.
- PROVIDE SURFACE MOUNT RACEWAY FROM DEVICE TO NEAREST ACCESSIBLE CEILING AS REQUIRED.
- 1-GANG BOX WITH BLANK FACEPLATE AND 1"CONDUIT STUB TO NEAREST ACCESSIBLE CEILING. FOR FUTURE TELECOM.

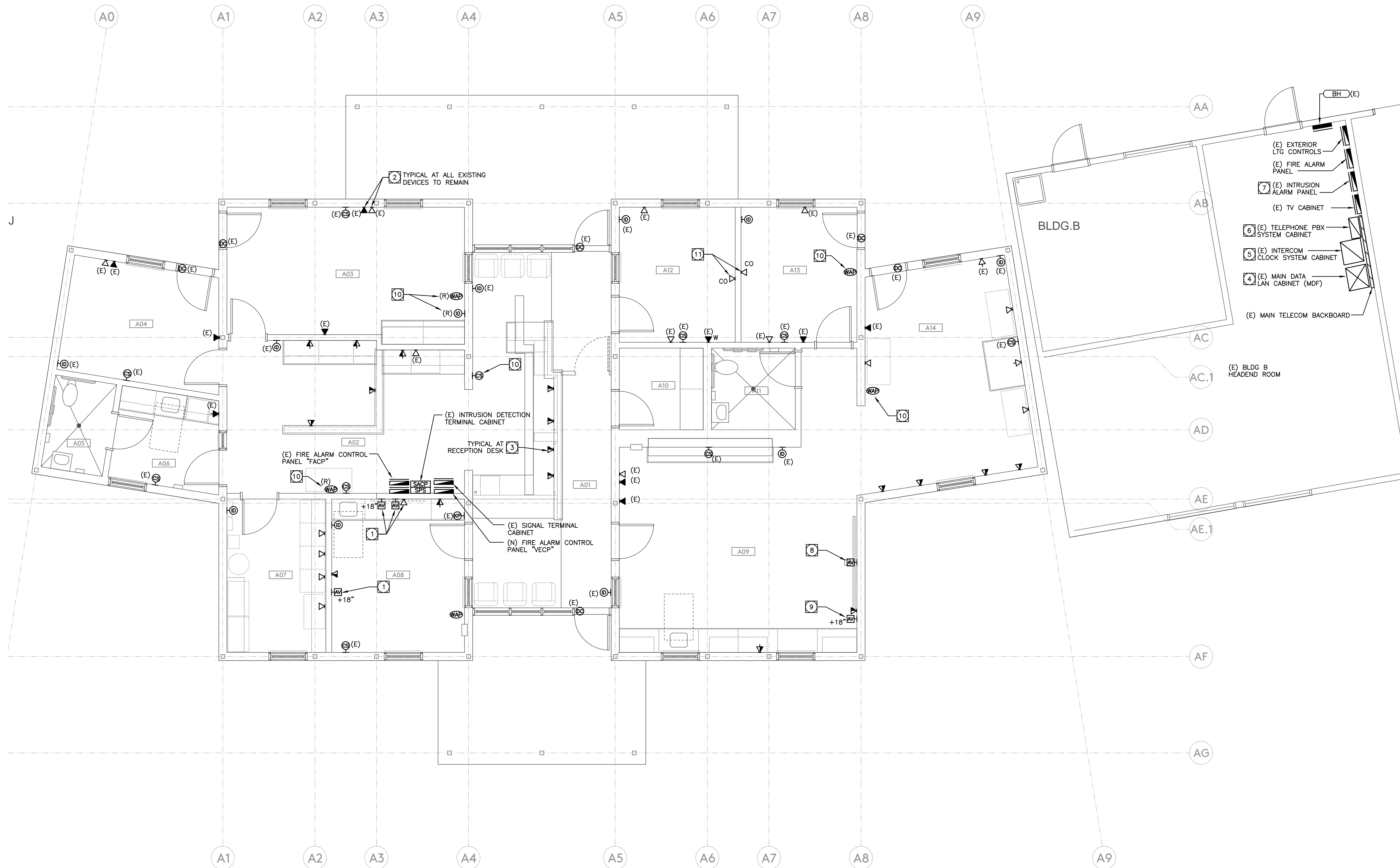
COMMUNICATIONS PATHWAYS GENERAL NOTES:

- CONDUITS SHALL (a) CONTAIN NO CONTINUOUS SECTIONS LONGER THAN 30M (98 FT.), AND (b) CONTAIN NO MORE THAN (2) 90° BENDS OR (1) REVERSE BEND WITHOUT INSTALLING A PULL BOX. SPLIT CONDUITS IN PLACE OF PULL BOXES ARE UNACCEPTABLE.
- CONDUITS SHALL CONTAIN PLASTIC OR NYLON PULL TAPE RATED AT 200 LBS. WITH A MINIMUM OF 5 FEET OF EXTRA PULL TAPE COILED AT EACH END.
- CONDUIT BEND RADIUS SHALL BE (a) A MINIMUM OF 6 TIMES THE INTERNAL CONDUIT DIAMETER FOR CONDUITS 2-INCHES IN DIAMETER OR LESS, AND (b) 10 TIMES THE INTERNAL CONDUIT DIAMETER FOR CONDUITS MORE THAN 2-INCHES IN DIAMETER.
- TERMINATE CONDUIT STUBS AND SLEEVES THAT PROTRUDE THROUGH STRUCTURAL FLOORS 2-INCHES TO 3-INCHES ABOVE THE FLOOR SURFACE.
- INSTALL BUSHINGS OR BELL ENDS AS REQUIRED ON ALL CONDUITS.
- FLEX CONDUIT IS UNACCEPTABLE FOR USE AS A COMMUNICATIONS CONDUIT EXCEPT AT SEISMIC JOINTS AND/OR IF APPROVED IN WRITING BY THE ENGINEER.
- ALL UNDER SLAB OR IN-SLAB CONDUITS SHALL BE INSTALLED IN A MANNER THAT PREVENTS WATER INFILTRATION OF THE CONDUIT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GROUND WATER, RAIN WATER OR CONSTRUCTION WATER IS PREVENTED FROM ENTERING AND/OR REMOVED FROM THE CONDUITS PRIOR TO PLACEMENT OF COMMUNICATIONS CABLES. SEE ELECTRICAL SPECIFICATIONS, DETAILS AND PLANS FOR ADDITIONAL CONDUIT SEALING REQUIREMENTS.
- ALL PULL BOXES SHALL BE SIZED AND INSTALLED PER ANSI-TIA-569-C. PULL BOXES FOR IN/UNDER SLAB CONDUIT RUNS ARE NOT PERMITTED UNLESS OTHERWISE NOTED. PULL BOXES FOR OVERHEAD CONDUIT RUNS SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS WITHIN THE ACCESSIBLE CEILING SPACE AND SUPPORTED INDEPENDENTLY FROM THE STRUCTURE AND CONDUIT SUPPORTS. PULL BOXES FOR ROOF MOUNTED OR EXTERIOR ABOVE GRADE APPLICATIONS SHALL BE NEMA 3R RATED. PULL BOXES SHALL BE SIZED ACCORDING TO THE FOLLOWING:

CONDUIT SIZE	WIDTH	LENGTH	DEPTH	WIDTH INCREASE PER ADDITIONAL CONDUIT
1"	4"	16"	3"	2"
2"	8"	36"	4"	5"
3"	12"	48"	6"	8"
4"	15"	60"	8"	8"

- FOR OTHER CONDUIT SIZES REFER TO ANSI/TIA-569-C TABLE 12. - LATEST PUBLISHED EDITION.
- CONDUIT(S) SHALL EXIT A PULL BOX ON THE WALL OPPOSITE THE WALL ENTERED.
 - PROVIDE LABELING OF EACH CONDUIT PER GENERAL ELECTRICAL SPECIFICATIONS.
 - PROVIDE INTERNAL/EXTERNAL GAS AND WATER TIGHT MECHANICAL SEALING/PLUGGING OF EACH BUILDING ENTRY CONDUIT AS SPECIFIED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS.
 - WHERE NEW DEVICES ARE SHOWN ON EXISTING WALLS, PROVIDE SURFACE MOUNT BOX WITH SURFACE MOUNT RACEWAY TO NEAREST ACCESSIBLE CEILING.
 - CONTRACTOR SHALL COORDINATE ALL NEW RACEWAY WITH OWNER IN THE FIELD PRIOR TO ROUGH-IN.

- | | |
|------|------------------------------------|
| (D) | EXISTING DEVICE TO BE DEMOLISHED. |
| (E) | EXISTING DEVICE TO REMAIN. |
| (ER) | EXISTING DEVICE TO BE RELOCATED. |
| (R) | DEMOTES RELOCATED DEVICE LOCATION. |



RFI #1

QUESTION:

Does this project require pre-qualification with the School District prior to submitting for BID?

RESPONSE:

There is no pre-qualification requirement with the school district prior to submitting for BID.

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RFI #2

QUESTION:

Regarding the DVBE participation requirement. Are we required to advertise or perform a formalized outreach to DVBE firms to satisfy this requirement? or is this all done in good faith?

RESPONSE:

The DVBE participation requirement can be all done in good faith.

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RFI #3

QUESTION:

Does the Jefferson School District require MEP pre-qualification for this project?

RESPONSE:

The school district is exempt from MEP pre-qualification because the projects are below minimum threshold.

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