

November 18, 2019

TO	:	All Bidders
FROM	:	Mark Graham
PROJECT	:	Barton Elementary School Modernization
		Project 1720100.41
SUBJECT	:	Addendum 1
DSA	:	04-118157 / File 36-55

The following changes, omissions, and/or additions to the Project Manual and/or Drawings 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.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

1. ADD ALTERNATES

- 1.1 NO. 1 All roller shades identified for all buildings other than Building "A", per Specification Section 12 24 00 will be an Add Alternate 1 for this project. Building "A" roller shades shall be part of the base bid.
- 1.2 NO. 2 See attached SK18 for Add Alternate 2. This will include all landscape and irrigation improvements as shown on Landscape drawings that affect the area clouded on SK18. All irrigation, valves, timers, and plantings shall be required for remaining planter areas not called out in SK18. All other items shall be in the base bid for a complete and operational system.

GENERAL

- 1.3 Contractor to paint the underside of the roof overhangs on both east and west side of Building A. East side has large canopy overhang with several conduits that shall be painted as well.
- 1.4 Contractor to provide 60 linear feet of 4' high tackable wall board in Lounge A8. Locations to be determined during construction. See specification for tackable wall board requirements.

- 1.5 Revise Elevations 6/A6.1 to include a dishwasher and tile backsplash per attached SK3.
- 1.6 See attached "Materials List" for selected colors and materials for this project.
- 1.7 See attached "Phasing Plan" for critical dates, times, temporary fencing location, and basic site requirements that shall be observed during construction and items that may affect the contractor's bid.
- 1.8 Contractor shall remove and dispose of all red plastic fence slats around trash enclosure and replace with new gray slats. This will be approximately 60 linear feet of 6'H material, plus labor.
- 1.9 Provide 3' wide x 8' high Contra Vision Performance perforated window film white on black polymeric vinyl Grayliner 20% transparency on aluminum store front door at Building "A". Graphic image to be provided by Architect at later date.
- 1.10 Contractor shall keep the fire alarm fully operational during the entire remodel, including school holidays and breaks. Currently, it is located in Building "A" where the bulk of work is occurring.
- 1.11 Contractor shall keep the bells/school clock operational at all times while school is in session. Coordinate with the District for requirements over summertime hours.
- 1.12 Contractor shall provide concrete yard boxes with steel vandal proof lids for inground shut-off valves as shown between Buildings A and C. Repair all concrete surfaces to original.
- 1.13 See attached renderings for Building "A" exterior paint finish. Multiple colors and shapes are proposed.
- 1.14 Contractor to provide CAT 5E cable from Building "A" to irrigation control box via underground 3/4" PVC conduit. Connect to IDF in A.V. Stor A9.
- 1.15 See attached Asbestos Report and Lead Report for information pertaining to Project Manual Section 01 11 00.
- 1.16 All work in Building "MU", Restrooms & Sidewalk as noted in the drawings shall be completed between June 6, 2020 and July 19, 2020.

PROJECT MANUAL

- 1.16 SECTION 01 11 00 SUMMARY OF WORK
 - A. Delete this section in its entirety and replace it with the attached Section 01 11 00.

- 1.17 SECTION 02 41 19 SELECTIVE DEMOLITION
 - A. Add this attached section in its entirety.
- 1.18 SECTION 08 80 00 GLAZING
 - A. Revise 2.6 Laminated Glass Products
 - 1. Glass: Class 1 "Clear for both plies".
 - 2. Color of plastic Interlayer "Color selected by Architect".
- 1.19 SECTION 09 30 12 CERAMIC TILE WALL FINISHING
 - A. Add this attached section in its entirety
- 1.20 SECTION 09 30 15 PORCELAIN TILE WALL FINISHING
 - A. Delete this section in its entirety.
- 1.21 SECTION 09 65 71 TEXTILE SHEET FLOORING
 - A. Delete this section in its entirety.
- 1.22 SECTION 09 68 13 TILE CARPETING
 - A. Delete this section in its entirety.
- 1.23 SECTION 12 24 00 WINDOW SHADES CLUTCH XD OPERATED WINDOW SHADES
 - A. Add this attached section in its entirety.
- 1.24 SECTION 12 24 13 ROLLER SHADES
 - A. Delete this Section 12 24 13 in its entirety and replace it with the attached Section 12 24 00.

DRAWINGS

- 1.25 GENERAL ITEMS FOR ALL TRADES
 - A. "LANSCAPE" shall be replaced with "LANDSCAPE" typical throughout.
 - B. All "BATHROOMS" shall be replaced with "RESTROOMS".
 - C. Revise all interior painting of Building A per attached SK16.

<u>Civil</u>

- 1.26 DRAWING C2.02
 - A. Delete this drawing in its entirety and replace it with the attached Drawing C2.02.

<u>Landscape</u>

- 1.27 DRAWING LI.1 LANDSCAPE IRRIGATION PLAN
 - A. Delete this drawing in its entirety and replace it with the attached Drawing LI.1.
- 1.28 DRAWING LID.1 LANDSCAPE DETAILS SHEET
 - A. Delete this drawing in its entirety and replace it with the attached Drawing LID.1.
- 1.29 DRAWING LP.1 LANDSCAPE PLANTING PLAN
 - A. Delete this drawing in its entirety and replace it with the attached Drawing LP.1.
- 1.30 DRAWING LPD.1 LANDSCAPE PLANTING DETAILS SHEET
 - A. Delete this drawing in its entirety and replace it with the attached Drawing LPD.1.

<u>Architectural</u>

- 1.31 DRAWING A2.1
 - A. GENERAL NOTES
 - 1. Revise Note 3 "all interior walls are attached to roof structure".
 - 2. Note 8
 - a. Revise "TI" to "to".
 - b. Revise "-/-" to "3/-".
 - c. Revise "and new slab at 48"" to "and new dowel bars at 48".
 - B. Legend
 - 1. Revise "CONRETE" TO "CONCRETE" in diagonal line hatch.
 - C. Detail 1
 - 1. Revise dimension from 5'-0" to 6'-0". See attached SK1.

- 1.32 DRAWING A2.3
 - A. REFERENCE NOTES
 - 1. Revise Note 0113 to "Demo and dispose of existing door and frame".
 - 2. Revise Note 0122 to read "Remove all wall material down to wood studs".
 - B. Detail 4
 - 1. Add note "entire room to receive chair rail per 5/6.3".
- 1.33 DRAWING A3.1
 - A. Detail 3
 - 1. Add "AND BUILDING C" to detail title.
 - B. Detail 4
 - 1. Add "AND BUILDING C" to detail title.
- 1.34 DRAWING A4.1
 - A. Delete this drawing in its entirety and replace it with the attached Drawing A4.1.
- 1.35 DRAWING A6.1
 - A. REFERENCE NOTES
 - 1. Delete Reference Note 0908 in its entirety.
 - B. Detail 1
 - 1. Remove "¹/₂" from upper casework typical.
 - C. Detail 2
 - 1. Revise Reference Notes 0908 to 0909.
 - 2. Detail 3
 - a. Add section callout. See attached 3/SK2.
 - b. Add location for grommet. See attached 3/SK2.
 - D. Detail 3C
 - 1. Remove "¹/₂" from upper casework typical.

- E. Detail 3D
 - 1. Revise Reference Notes 0908 to 0909.
- F. Detail 3F
 - 1. Replace detail with attached 1/SK2 and new detail with the attached 2/SK2.
- G. Detail 6
 - 1. Add tile backsplash per attached SK3.
 - 2. Revise elevations 6/A6.1 to include a dishwasher and tile backsplash. See SK3.
- H. Detail 19
 - 1. Revise Reference Note 0908 to 0909.
- 1.36 DRAWING A6.3 INTERIOR ELEVATIONS (Refer to clouded areas on attached drawing)
 - A. Add MU elevations for wall finishes.
 - B. Add chair rail detail.
- 1.37 DRAWING A6.2
 - A. Revise wall tile layout. Replace Detail 15 with attached SK4.
 - B. Revise wall tile layout. Replace Detail 16 with attached SK5.
 - C. Revise wall tile layout. Replace Detail 24 with attached SK6.
- 1.38 DRAWING A7.1
 - A. Detail 4
 - 1. Relocate section callout to new location. See attached SK7.
- 1.39 DRAWING A7.2
 - A. Detail 1
 - 1. Detail 1 shall be "west" elevation.
 - B. Detail 2
 - 1. Detail 2 shall be "west" elevation.

- C. Detail 3
 - 1. Replace with attached SK8 for new glass colors.
- 1.40 DRAWING 2.1
 - A. Detail 10
 - 1. Add dimension width for top of seat wall to be 18". See attached SK9.
 - 2. Revise drip edge and break MTL cover. See attached SK10.
- 1.41 DRAWING 6.1
 - A. Detail 1
 - 1. Revise Note 9 from "Dimesions" to "Dimensions".

1.42 DRAWING 8.1

- A. DOOR FRAME LEGEND
 - 1. Detail Frame 3
 - a. Add note calling out camera on Jamb and provide roller shades. See attached SK11.
 - 2. Detail Frame 2
 - a. Remove frame Type 2 in its entirety.
- B. DOOR SCHEDULE
 - 1. Remove Door A1C in its entirety (this door will be a double swinging casework door with no latch).
 - 2. Door A2A change HT to 7'-0".
 - 3. Door A1A add "4" in remarks column.
 - 4. Under Remarks add "4. Provide camera in door jamb".
 - 5. Door C111 Add 12" x 12" door louver. See attached SK17.
- C. WINDOW SCHEDULE COLUMN REFERENCE GUIDE
 - 1. Replace with new Detail 7 per attached SK14.

- 1.43 DRAWING 9.1
 - A. Detail 1
 - 1. Revise Note 1 to read "Ref 12 and 13/S4.1 for head detail".
 - 2. Revise Note 2 to read "Ref 7/9.1 and 5/S4.1 for base detail".
 - B. Detail 4
 - 1. Add "Ceramic Tile where occurs" and add leader (arrow), pointing to tiles.
 - C. Detail 9
 - 1. Room Finish Schedule remove all carpeting (CPT) from flooring and replace with luxury vinyl tile (LVT) for all rooms.
 - D. Detail 10
 - 1. Delete "ext plaster fin..." in its entirety.
 - 2. Add "Ceramic Tile where occurs" and add leaders to both wall tiles.
 - E. Detail 16
 - 1. Revise "TI" to "to".
 - F. Detail 20
 - 1. Delete "(N) WINDOW REF SCHEDULE" and add insulation graphic in wall cavity above double sills. See attached SK15.

<u>Structural</u>

- 1.44 DRAWING S2.1 BUILDINGS A AND C FOUNDATION PLANS
 - A. Delete this drawing in its entirety and replace it with the attached Drawing \$2.1.
- 1.45 DRAWING S2.2 BUILDINGS A AND C ROOF PLANS AND ELEVATIONS
 - A. Delete this drawing in its entirety and replace it with the attached Drawing \$2.2.

<u>Mechanical</u>

- 1.46 M2.1 (Refer to clouded areas on attached drawing)
 - A. Refrigerant piping penetration location relocated.
 - B. Condensing Unit CU-1 now shown on newly added attached Roof Plan Drawing M2.2.
 - C. Existing return grille relocated to correct location.
 - D. Door louver added to Toilet C108A. Keynote 7 also added indicating this.
 - E. Additional comments added to Keynote 2 for clarification.
 - F. Duct size through roof revised on Keynote 3.
 - G. Keynote 4 was removed.
- 1.47 M2.2 (Refer to clouded areas on attached drawing)
 - A. Add this new attached Drawing M2.2 in its entirety.
- 1.48 M3.1 (Refer to clouded areas on attached drawing)
 - A. Additional notes on Detail 4/M3.1 have been added for clarification.

<u>Electrical</u>

- 1.49 GENERAL ITEMS FOR ALL TRADES
 - A. The word "Minte" shall mean "Minute" typical throughout.
- 1.50 DRAWING E0.2 (Refer to clouded areas on attached drawing)
 - A. Panel schedule "CL" added.
 - B. Lighting fixture "F" mounting height and catalog number revised.
 - C. Lighting fixture "D" catalog number revised.
- 1.51 DRAWING E1.1 (Refer to clouded areas on attached drawing)
 - A. Revise Panel "AB" from "E" to "RR".
- 1.52 DRAWING E2.1 (Refer to clouded areas on attached drawing)
 - A. Light fixture in Building A, Room "A8" turned 90°.

- B. Move exterior light fixture "F".
- 1.53 DRAWING E2.2 (Refer to clouded areas on attached drawing)
 - A. Detail 1
 - 1. Add power for hand dryer in restrooms.
 - 2. Move master clock to Reception "A1".
 - 3. Add Note 10 to Reception "A1" desk.
 - B. Detail 2
 - 1. Revise Panel "AB" in Room "A8" to "RR" from "E".

BID DOCUMENTS SECTION DIVISION 00

- A. BID FORM
 - 1. Added two alternates to the BID FORM

END OF ADDENDUM 1

Submitted by,

Mark Crahos

MARK GRAHAM Architect, AIA LEED™ GA NOMA Principal

MG:SJ:gs/P41720100x1-add



Attachments: Materials List Phasing Plan Rendering for Building A Asbestos Report and Lead Report Section 01 11 00 - Summary of Work Section 02 41 19 - Selective Demolition Section 09 30 12 - Ceramic Tile Wall Finishing Section 12 24 00 - Roller Shades Drawings: A6.3, A4.1, C2.02, Ll.1, LID.1, LP.1, LPD.1, 1/SK2, 2/SK2, 3/SK2, SK1, SK2, SK3, SK4, SK5, SK6, SK7, SK8, SK9, SK10, SK11, SK14, SK15, SK16, SK17, SK18, S2.1, S2.2, M2.1, M2.2, M3.1, E0.2, E1.1, E2.1, E2.2, BID FORM

4. Alternate Bids: N/A

ALTERNATE NO. 1 - All roller shades identified for all buildings other than Building "A", per Specification Section 12 24 00 will be an Add Alternate 1 for this project. Building "A" roller shades shall be part of the base bid. \$

ALTERNATE NO. 2 - See attached SK18 for Add Alternate 2. This will include all landscape and irrigation improvements as shown on Landscape drawings that affect the area clouded on SK18. All irrigation, valves, timers, and plantings shall be required for remaining planter areas not called out in SK18. All other items shall be in the base bid for a complete and operational system.

<u>TIME FOR COMPLETION</u>: The DISTRICT may give a notice to proceed within ninety (90) days of the award of the bid by the DISTRICT. Once the CONTRACTOR has received the notice to proceed, the CONTRACTOR shall complete the work in the time specified in the Agreement. By submitting this bid, CONTRACTOR has thoroughly studied this Project and agrees that the time period for this Project was adequate for the timely and proper completion of the Project. Further, CONTRACTOR has included in the analysis of the time required for this Project, Rain Days, Governmental Delays, and the requisite time to complete Punch List.

In the event that the DISTRICT desires to postpone giving the notice to proceed beyond this ninety (90) day period, it is expressly understood that with reasonable notice to the CONTRACTOR, giving the notice to proceed may be postponed by the DISTRICT. It is further expressly understood by the CONTRACTOR, that the CONTRACTOR shall not be entitled to any claim of additional compensation as a result of the postponement of giving the notice to proceed.

If the CONTRACTOR believes that a postponement will cause a hardship to it, the CONTRACTOR may terminate the contract with written notice to the DISTRICT within ten (10) days after receipt by the CONTRACTOR of the DISTRICT's notice of postponement. Should the CONTRACTOR terminate the contract as a result of a notice of postponement, the DISTRICT shall have the authority to award the contract to the next lowest responsible bidder, if applicable.

It is understood that the DISTRICT reserves the right to reject any or all bids and/or waive any irregularities or informalities in this bid or in the bid process. The CONTRACTOR understands that it may not withdraw this bid for a period of ninety (90) days after the date set for the opening of bids.

- 6. Attached is bid security in the amount of not less than ten percent (10%) of the total bid: Bid bond (10% of the Bid), certified check, or cashier's check (circle one)
- 7. The required List of Designated Subcontractors is attached hereto.
- 8. The required Non-Collusion Declaration is attached hereto.
- 9. The Substitution Request Form, if applicable, is attached hereto.
- 10. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the DISTRICT a contract in the form attached hereto in accordance with the bid as accepted, and that he will also furnish and deliver to the DISTRICT the Performance Bond and Payment Bond, all within **five (5) calendar days** after award of contract, and that the work under the contract shall be commenced by the undersigned bidder, if awarded the contract, by the start date provided in the DISTRICT's Notice to Proceed, and shall be completed by the CONTRACTOR in the time specified in the contract documents.
- 11. All notices or other correspondence should be addressed to the undersigned at the address stated below:

Bid No. F19-10 Barton ES Modernization San Bernardino City Unified School District 01

ADD

SECTION 01 11 00

SUMMARY OF WORK

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Summary of the Work of these Contract Documents for the construction of:

Barton Elementary School Modernization

Architect's Name: WLC Architects, Mark Graham, Principal, 909.987.0909

1.02 GENERAL

- A. Work under this Contract includes furnishing all labor, materials, services and transportation which is required for completion of the Project at the Barton Elementary School (Barton ES) site in accordance with the Contract Documents.
- B. The Contract Time for completion shall be that shown in the Construction Progress Schedule.

Once the CONTRACTOR has received a notice to proceed, the CONTRACTOR shall complete the work within 5 calendar months from receipt of the notice to proceed. It is expressly understood that time is of the essence.

- C. At the Barton ES school site, the work is to be performed within a portion of an active school campus. All work shall be conducted in a manner that does not impact the health and safety of school staff, students, site workers and project personnel, adjacent property owners, and/or the general public. Contractor shall at all times employ safety practices and environmental controls which take into consideration the fact that work is being performed on an active school campus. All work shall be performed in a manner which maximizes safety.
- D. Contract Drawings: The Drawings provided with and identified in the Project Manual are the Drawings referenced in the Agreement.
 - 1. The location, extent and configuration of the required construction and improvements are shown and noted on Drawings.
 - a. The Drawings are referenced in the Agreement.
 - b. An index of Drawings is included in the set of Drawings.
 - 2. Drawings are arranged into series according to design discipline. Such organization and all references to trades, subcontractor, specialty contractor or supplier shall not control the Contractor in dividing the Work among subcontractors or in establishing the extent of the Work to be performed by any trade.
 - 3. Where the terms "as shown", "as indicated", "as noted", "as detailed", "as scheduled", or terms of like meaning, are used in the Drawings or Specifications, it shall be understood that reference is being made to the Drawings referenced in the Agreement.
 - 4. Where reference to the word "plans" is made anywhere in Drawings, Specifications and related Contract Documents, it shall be understood to mean the Drawings referenced in the Agreement.
- E. Contractor's Safety Performance Requirement: SBCUSD places safety and safe work practices at a premium, especially in regard to operations on active District campuses.
- F. All work shall be performed in a manner that minimizes impact to the environment, minimizes waste and maximizes the amount of salvageable material recovered throughout the project(s).

G. All work shall be performed in a manner that minimizes noise and vibration impacts to the adjacent classrooms, school operations and surrounding neighborhood. In some cases, loud or high vibration activities may have to be rescheduled to accommodate school instructional or testing activities. Such activities may require work on weekends or during holiday breaks. Cost of rescheduling and of off hours work shall be at Contractor's expense. Holiday break periods for the 2019-20 school year are as follows:

•	Labor Day	9/2/19
•	October 7 th	10/7/19
•	Veteran's Day	11/11/19
•	Thanksgiving	11/25/19 – 11/29/19
•	Winter Break:	12/23/19-1/10/20
•	MLK Day:	1/20/20
•	Lincoln's Birthday	y: 2/10/20
•	President's Day:	2/17/20
•	Spring Break	3/23/20 – 4/3/20
•	Memorial Day:	5/25/20
•	Summer Break:	Begins 6/06/20, Ends 07/19/20

- H. All work shall be performed in a manner that protects existing infrastructure, landscaping, and other structures designated to remain.
- I. All work shall be performed in a manner that meets the District's expectation for safe work execution, as well as adherence to schedule and project budget.

1.03 Background

- A. Barton Elementary School Modernization:
 - 1. The Barton ES campus is located within a predominantly residential community. The school is located at 2214 Pumalo Street.
 - 2. Work of this contract shall include:
 - a. Revise ADA parking stall on southwest parking lot from a double ADA stall to a single ADA stall.
 - b. Revise site entry. This includes, a new ramp, new stairs, new planter, new handrails and guardrails.
 - c. Remodel interior of Building A, with new storefront entry, new exterior windows, new restrooms, and new interior finishes including casework and new ceilings. New light fixtures and reworking of ducts to occur.
 - d. Replace classroom window blinds at Buildings B, C, D, and E.
 - e. Replace exterior drinking fountains at Building C.
 - f. Replace existing interior finishes in MU Room.
 - g. Add new restroom at Building C and upgrade existing restrooms at Building B.
 - 3. All of the above work will occur at Barton Elementary School for the San Bernardino City Unified School District, Owner.
 - 4. The scope shall also include temporary fencing and signage as required to designate staff and separate visitor parking areas, student drop off, as well as contractor's laydown areas. Areas shall be fenced and demarcated to safely route and protect student, staff, visitors, construction site personnel and the general public.
- B. Hazardous Materials Report: Included in Addendum 1.
- C. Environmental Site Assessment Report: * Insert Name / Date / Consultant if available *
- D. Underground Utilities: * Insert Name / Date / Consultant if available *

1.04 EXISTING CONDITIONS

Certain information relating to existing surface and subsurface conditions and structures is available to bidders as follows:

- A. Limited Asbestos, Lead & Hazardous Materials Assessment Report, September 25, 2019 Eurofins Project 1011601607-pl and LA testing order 331920460.
 - 1. Original copy is available for inspection at District's offices during normal business hours.

1.05 BIDDER'S INVESTIGATIONS

- A. Bidder's Investigation: Bidder shall visit site and become familiar with site conditions at the project site.
 - 1. Bidder may, at Bidder's own expense and prior to bidding, make soil surveys and investigations Bidder considers necessary, following written notification to and approval by the District representative.
 - 2. Bidder assumes risk that soil and underground conditions may be other than that indicated in soil investigation data.
- B. Procedures:
 - 1. Obtain authorization from authorized District Representative prior to start of borings or subsurface investigations.
 - 2. Immediately upon completion of Bidder's subsurface investigation, return site areas affected by investigations to condition existing prior to start of Bidder subsurface investigations as directed by District Representative.

1.06 WORK COMPONENTS

The following work components are required by the Contract, Technical Specifications and Bid Proposal Exhibits and text of this RFP:

- A. Activities Prior to Start of On-site Work:
 - 1. Obtain ALL permits necessary to perform the scope of work.
 - Prepare and file all required notifications, including but not limited to South Coast Air Quality Management District (SCAQMD) Rule 1403 required notifications. SCAQMD Notifications must be filed at least 10 days before the start of work.
 - Submit and fully adhere to Contractor's health and safety plan in full compliance with CalOSHA, SCAQMD, and project specifications. Site work may not proceed until this plan is delivered to and accepted by District.
 - District has contracted a survey of asbestos, lead-based paint and other hazardous wastes to confirm presence of these materials. (See survey reports – Attached in Addendum 1)
 - Identify and procure the services of licensed waste haulers and properly permitted Waste Disposal/Management Facilities for the transportation and disposal of all material generated during hazardous materials abatement and demolition activities.
 - 6. Submit a detailed work schedule for the project for review and acceptance by District.
- B Hazardous Material Abatement and/or Mitigation activities are to include abatement of but are not limited to the following materials as listed in sections 1.06 B.1, 2, and 3 below:
 - 1. See Hazardous Materials Report: "Limited Lead, Asbestos and Hazardous Materials Assessment Report – Barton Elementary School" of September 25, 2019 by Eurofins and September 25, 2019 by LA testing.
 - 2. Asbestos Containing Materials (ACMs)

Asbestos was not detected:

3. Lead-Based Paint (LBP) and Lead containing items;

Lead was detected above concentrations greater than 1.0 mg/cm2 in the following:

- a. On plaster wall, staff room East: White
- b. On metal DF, staff room North: Green

Addendum 1

- c. On stucco, ext, admin bldg: Tan
- d. Beige paint on plaster: Beige
- 4. All ACMs must be abated prior to commencing demolition activities. The asbestos abatement must be performed by a Cal/OSHA licensed asbestos abatement contractor using methods in accordance with Title 8 of California Code of Regulations (CCR) 1529 and South Coast Air Quality Management District Rule 1403.
- 5. Contractor shall be responsible for the all required employee training, regulatory agency notifications, jobsite signage as well as proper removal and disposal of any/all hazardous materials designated to be removed or that are encountered in the course of the project(s).
- 6. Any/all hazardous materials abatement work shall be completed between the hours of 4:00 p.m. and 7:00 a.m., or during holidays or weekends when school is not in session.
 - i. Other Hazardous Materials.
 - a. Fluorescent light fixtures with PCB containing ballasts were not observed in the subject Barton ES buildings, but may be present.
 - i. Any/All lighting ballasts which are not clearly marked "No PCBs" or "PCB Free" shall be assumed to contain PCBs, and shall be removed intact, packaged, and disposed of appropriately as hazardous waste. All other ballasts may be incinerated or recycled at an appropriate disposal site.
 - ii. All fluorescent tubes will be disposed as universal waste. Remaining bulbs will be disposed according to applicable regulations.
 - b. Smoke detectors were observed in the subject buildings.
 - Smoke detectors designated to be removed shall be disassembled by Contractor and categorized as either ionization detector (radioactive) or photoelectric detectors, which can be completed by checking for the required radioactive stickers on the baseplates.
 Photoelectric detectors may be discarded as construction debris. Ionization detectors will require appropriate off-site disposal per appropriate regulations.
 - c. Exit signs
 - i. Contractor shall disassemble signs to confirm whether they are paper, electric or tritium. Paper and electric may be disposed as construction debris. Tritium shall be disposed offsite according to regulations.
- 4. Campus Systems to Remain Operational:
 - a. Various campus systems and utilities are to remain operational during the demolition and construction effort.
 - i. All campus utilities shall remain operational throughout the project, including but not limited to:
 - 1. Electrical service
 - 2. Water
 - 3. Irrigation
 - 4. Storm drains
 - 5. Sewer
 - 6. Natural gas
 - 7. Telephone
 - 8. Data (Ethernet and or cable service)
 - ii. Fire Alarm System shall remain operational.
 - iii. Campus synchronized clock and bells system shall remain operational.
 - iv. The campus public address system shall remain operational.

- v. Data service, data switches, WiFi, related equipment and data cabling serving areas outside of room E1 shall remain operational throughout the duration of the project.
- 5. Demolition
 - a. All employees engaged in selective demolition activities shall be instructed regarding the contents of the Contractor's Health & Safety Plan(s).
 - b. Any/all demolition shall be performed in a manner that emphasizes and maximizes the safety of students, staff, area residents as well as project personnel and support staff.
 - c. Demolition shall be performed in a manner that does not encroach upon or cause damage to adjacent properties and structures.
 - d. Demolition shall be performed in a manner that facilitates safe and efficient handling and load out of materials for disposal.
 - e. The sequence of Demolition, material stockpiling, loadout, transport, and disposal shall be performed in a manner that promotes a smooth workflow to meet schedule milestones.
 - f. Contactor shall take measures to protect in place adjacent trees and landscaping designated to remain.
- 6. Construction
 - a. All employees engaged in construction activities shall be instructed regarding the contents of the Contractor's Health & Safety Plan(s).
 - b. Any/all construction shall be performed in a manner that emphasizes and maximizes the safety of students, staff, area residents as well as project personnel and support staff.
 - c. Any/all construction shall be performed in full compliance with project plans, specifications, and documents.
 - d. Any/all construction shall be performed in full compliance with regulatory requirements.

1.07 SEQUENCING OF WORK

- A. Proper regulatory notifications must be filed and Health & Safety plans be submitted, and permits be secured prior to commencing site work. Proof of filing of regulatory agency notifications will be required prior to start of work.
- B. Installation of perimeter fencing and screening must be completed prior to initiation of other site activities.
- C. Hazardous Materials Abatement work must be completed, inspected and approved by the District representative and/or District consultant prior to the start of any demolition.

1.08 PERMITS, LICENSES AND FEES

- A. Permits:
 - 1. For Work included in the Contract, Contractor shall obtain all permits from authorities having jurisdiction including but not limited to City of San Bernardino, serving utility companies and other state and local regulatory agencies.
 - 2. District will reimburse Contractor for amount charged for such permits, without mark-up.
- B. Licenses and certifications:
 - 1. Contractor shall obtain and pay all licenses and certifications associated with project demolition, abatement and construction activities, such as business licenses, contractors' licenses and vehicle and equipment licenses.
 - 2. All costs for licenses shall be included in the Contract Sum.
- C. Assessments:
 - 1. District will pay all assessments and utility service connection fees. Costs of assessments shall not be included in the Contract Sum.

- D. Test and Inspection Fees:
 - 1. Contractor shall pay all fees charged by authorities having jurisdiction and from serving utility companies and agencies, for tests and inspections conducted by those authorities, companies and agencies.
 - 2. District will reimburse Contractor for actual amount of such fees, without mark-up.
 - 3. Refer to Section 01 40 00 Quality Requirements for additional information on tests and inspections and responsibility for payment of fees.

END OF SECTION

SECTION 02 41 19

SELECTIVE DEMOLITION

1. PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Removal of designated building equipment and fixtures.
- B. Removal of designated construction.
- C. Disposal of materials.
- D. Cap and identify utilities.
- E. Temporary partitions to allow building occupancy.
- F. Temporary fire protection.
- G. Schedule of materials and equipment.

1.2 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of them off-site.
- B. Disposal: Removal off-site of demolition waste and subsequently deposit in landfill acceptable to authorities having jurisdiction.
- C. Existing to Remain: Items of construction that are not to be removed and that are not indicated to be removed.

1.3 MATERIALS OWNERSHIP

- A. Historic items, relics, cornerstones, commemorative plaques, tablets and similar objects encountered during demolition are to remain the Owner's property.
- B. Carefully remove each item in a manner to prevent damage and deliver to Owner.

1.4 SUBMITTALS

- A. Predemolition Photographs: Show conditions of exiting adjacent construction and site improvements that might be misconstrued as damaged by demolition operations. Submit before work begins.
- B. Record Documents: Submit under provisions of Section 01 77 00. Accurately record locations of utilities and subsurface obstructions.

1.5 REGULATORY REQUIREMENTS

- A. Conform to applicable codes for demolition work, safety of structure, electrical disconnection and reconnection dust control and disposal of materials.
- B. Comply with California Fire Code (CFC), California Code of Regulations, (CCR) Title 24, Part 9, Chapter 5 Fire Service Features and Chapter 33 Fire Safety During Construction and Demolition.
- C. Obtain required permits from authorities.
- D. Notify affected utility companies before starting work and comply with their requirements.
- E. Do not close or obstruct egress width to exits.

F. Do not disable or disrupt building fire or life safety systems without 3 day prior written notice to the Owner.

1.6 EXISTING CONDITIONS

- A. Areas of buildings to be demolished will be evacuated and their use discontinued before start of work.
- B. Owner will occupy building(s) adjacent to demolition area. Conduct demolition so owner's operation will not be disrupted.
- C. Provide at least 72 hour notice to Owner of activities that will affect Owner's operation.
- D. Maintain access to existing walkways, exits and other adjacent occupied facilities.
- E. Owner assumes no responsibility for areas of buildings to be demolished.
- F. Hazardous Materials: It is not anticipated that hazardous materials will be encountered in the work.
 - 1. Hazardous materials will be removed by Owner before start of work.
 - 2. Hazardous materials will be removed by Owner under separate contract.
 - 3. If materials suspected of containing hazardous materials are encountered, do not disturb. Notify Architect.
 - 4. Conform to applicable regulatory procedures when discovering hazardous or contaminated materials.

1.7 SCHEDULING

- A. Schedule work under provisions of Section 01 32 17.
- B. Schedule Work to coincide with new construction, owner occupancy.
- C. Perform work during normal hours of operation, or 4:00 p.m. to 11:00 p.m.
- D. Notify Owner in writing 5 days in advance of any required work to be performed on a weekend or holiday.
- E. Perform noisy, malodorous, dusty, or dangerous work:
 - 1. Between the hours of 4:00 p.m. and 11:00 p.m.
- F. Coordinate utility and building service interruptions with Owner.
- G. Schedule tie-ins to existing systems to minimize disruption.
- H. Coordinate Work to ensure fire sprinklers, fire alarms, smoke detectors, emergency lighting, exit signs and other life safety systems remain in full operation in occupied areas.

1.8 PROJECT CONDITIONS

- A. Conduct demolition to minimize interference with adjacent and occupied building areas.
- B. Cease operations immediately if structure appears to be in danger and notify Architect. Do not resume operations until directed.

2. PART 2 PRODUCTS

Not Used.

3. PART 3 EXECUTION

3.1 EXAMINATION

- A. Correlate existing conditions with requirements indicated.
- B. Inventory and record condition of items to be removed and salvaged.
- C. Execute predemolition photographs.
- D. Verify that hazardous waste remediation is complete.

3.2 PREPARATION

- A. Existing Utilities: Locate, identify, disconnect and seal or cap off indicated utilities serving areas to be demolished.
- B. Protect existing items which are not indicated to be salvaged, removed, or altered.
- C. Erect and maintain weatherproof closures for exterior openings.
- D. Erect and maintain temporary partitions to prevent spread of dust, fumes, noise, and smoke to provide for Owner occupancy as specified in Section 01 11 00.

3.3 DEMOLITION

- A. Conduct demolition to minimize interference with adjacent and occupied building areas.
- B. Cease operations immediately if structure appears to be in danger. Notify Architect. Do not resume operations until directed.
- C. Maintain protected egress and access to the Work.
- D. Maintain fire safety during demolition in accordance with CFC, Chapter 33.
- E. Demolish in an orderly and careful manner. Protect existing supporting structural members.
- 3.4 DISPOSAL OF DEMOLISHED MATERIALS
 - A. Except for items to be reused, reinstalled, or otherwise indicated to remain, remove demolished materials from Project site and legally dispose of them in an EPA approved landfill.
 - B. Do not burn or bury materials on site.

3.5 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt and debris caused by demolition.
- B. Remove temporary construction.
- C. Return adjacent areas to condition existing before demolition operations began.
- D. Leave site in a clean condition.
- 3.6 SCHEDULES

- Protect the following materials and equipment to remain operational at all times: Α.
 - 1. Campus bell system.
 - 2. Fire alarm system.
 - 3. Intercom system.

END OF SECTION

SECTION 09 30 12

CERAMIC TILE WALL FINISHING

1. PART 1 GENERAL

1.1 SECTION INCLUDES

A. Ceramic tile wall and wainscot finish using the thinset application method.

1.2 REFERENCES

- A. ANSI/TCA A108.5 Ceramic Tile Installed with Dry-Set Portland Cement Mortar or Latex Portland Cement Mortar.
- B. ANSI/TCA A108.11 Interior Installation of Cementitious Backer Units.
- C. ANSI/TCA A118.1 Dry-Set Portland Cement Mortar.
- D. ANSI/TCA A118.4 Latex-Portland Cement Mortar.
- E. ANSI/TCA A118.7 Polymer Modified Ceramic Tile Grouts.
- F. ANSI/TCA A118.9 Test Methods and Specifications for Cementitious Backer Units.
- G. ANSI/TCA A137.1 Specifications for Ceramic Tile.
- H. ASTM C847 Standard Specifications for Metal Lath.
- I. ASTM D226 Asphalt-Saturated Felt Used in Roofing and Waterproofing.
- J. TCA (Tile Council of America) Handbook for Ceramic Tile Installation.

1.3 SUBMITTALS

A. Submit samples under provisions of Section 01 33 00.

1.4 QUALITY ASSURANCE

- A. Conform to ANSI/TCA A137.1 for tile material.
- B. Conform to ANSI/TCA Standards and TCA Handbook for tile installation.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in the manufacture of products specified in this Section with minimum five years documented experience.
- B. Installer: Company specializing in applying the Work of this Section with minimum five years documented experience.

1.6 ENVIRONMENTAL REQUIREMENTS

A. Maintain 50 degrees F during installation of mortar materials.

1.7 EXTRA MATERIALS

- A. Provide extra quantity of full size tile and trim shape units to Owner under provisions of Section 01 77 00.
- B. Provide quantity equal to 5 percent of units installed of each shape and color.

2. PART 2 PRODUCTS

- 2.1 MANUFACTURERS TILE
 - A. American Olean Tile Co., Inc., www.aotile.com.
 - B. Dal-Tile Corp., www.daltile.com.
 - C. Substitutions: Under provisions of Section 01 25 13.

2.2 TILE MATERIAL

A. Ceramic Wall Tile: ANSI/TCA A137.1, conforming to the following:

Type 1: Wall tile - American Olean - Perspecta - 8" x 24" - Pacific Blue PE11 (1).

Type 2: Backsplash - Daltile - Rittenhouse Square - 2" x 4" - SWCH Arctic White STD.

Type 3: Trim - American Olean - Perspecta - 1/2" x 12" L - Jolly S1212J - Pacific Blue PE 20 (1).

2.3 MANUFACTURERS - MORTAR AND GROUT

- A. American Olean Tile Co., Inc., www.aotile.com.
- B. Dal-Tile Corp., www.daltile.com
- C. Substitutions: Under provisions of Section 01 25 13.

2.4 MORTAR MATERIALS

- A. Portland Cement Mortar Materials: ANSI/TCA A118.1.
- B. Latex-Portland Cement Mortar: ANSI/TCA A118.4 and the following:
 - 1. Acrylic resin latex additive.
 - 2. Dry mortar mix supplied by latex manufacturer.

2.5 GROUT MATERIALS

- A. Portland Cement Grout Materials: ANSI/TCA A118.7.
- B. Latex-Portland Cement Grout: ANSI/TCA A118.7 of color selected and the following:
 - 1. Acrylic resin latex additive.
 - 2. Microban antimicrobial additive, www.microban.com.
 - 3. Dry mortar mix supplied by latex manufacturer.

2.6 MORTAR MIX AND GROUT MIX

A. Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions and referenced standards.

3. PART 3 EXECUTION

- 3.1 EXAMINATION
 - A. Verify that surfaces are ready to receive work.

B. Beginning of installation means installer accepts condition of existing surfaces.

3.2 PREPARATION

- A. Protect surrounding work from damage or disfiguration.
- B. Vacuum clean existing surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

3.3 INSTALLATION - THINSET METHOD

- A. Install mortar, tile, and grout in accordance with ANSI/TCA 108.5 and applicable tile installation standards of the TCA Handbook.
- B. Install membrane over substrate; weatherlap horizontal edges 4 inches, vertical edges 6 inches.
- C. Lay tile to pattern indicated. If not indicated, request from Architect. Do not interrupt tile pattern around openings.
- D. Cut and fit tile tight to penetrations through tile. Form corners and bases neatly. Align wall, base, and floor joints.
- E. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar or excess grout.
- F. Form internal angles square and external angles square.
- G. Sound tile after setting. Replace hollow sounding units.
- H. Keep control joints free of mortar or grout. Apply sealant to joints.
- I. Allow tile to set for a minimum of 48 hours prior to grouting.
- J. Grout tile joints.
- K. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.4 CLEANING

- A. Clean work under provisions of 01 77 00.
- B. Clean tile surfaces.

END OF SECTION

SECTION 12 24 00

WINDOW SHADES CLUTCH XD OPERATED WINDOW SHADES

PART 1 GENERAL

1.1 SECTION INCLUDES

Α. Manually operated, roll-up fabric interior window shades including mounting and operating hardware.

RELATED SECTIONS 1.2

Α. Section 09 51 23 - Acoustical Tile Ceilings.

REFERENCES 1.3

- NFPA 701-99 Fire Tests for Flame-Resistant Textiles and Films. Α.
- Β. **GREENGUARD** Environmental Institute Gold.
- C. US Green Building Council.

SUBMITTALS 1.4

- Submit under provisions of Section 01 33 00. Α.
- Β. Product Data: Manufacturer's data sheets on each product specified, including:
 - 1. Preparation instructions and recommendations.
 - 2. Installation and maintenance instructions.
 - 3. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
 - 4. Storage and handling requirements and recommendations.
 - 5. Mounting details and installation methods.
- C. Shop Drawings: Plans, elevations, sections, product details, installation details, operational clearances, and relationship to adjacent work.
- D. Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the Drawings, field verified window dimensions, quantities, type of shade, controls, fabric, and color, and include opening sizes and key to typical mounting details.
- E. Selection Samples: For each finish product specified, two complete sets of shade cloth options and aluminum finish color samples representing manufacturer's full range of available colors and patterns.
- F. Verification Samples: For each finish product specified, two complete sets of shade components, unassembled, demonstrating compliance with specified requirements. Shade fabric sample and aluminum finish sample as selected, representing actual product, color, and patterns. Mark face of material to indicate interior faces.
- G. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware.
- Η. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section.
- Β. NFPA Flame-Test: Passes NFPA 701. Materials tested shall be identical to products proposed for use.
- C. Mock-Up: Provide a mock-up of one of each type roller shade assembly specified for evaluation of mounting, appearance and accessories.
 - 1. Locate mock-up in window(s) designated by Architect.
 - 2. Do not proceed with remaining work until mock-up is accepted by Architect.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver window shades until building is enclosed and construction within spaces where shades will be installed is substantially complete.
- Β. Deliver products in manufacturer's original, unopened, undamaged containers with labels intact.
- C. Label containers and shades according to Window Shade Schedule.
- D. Store products in manufacturer's unopened packaging until ready for installation.

1.7 SEQUENCING

- Ensure that locating templates and other information required for installation of products of Α. this section are furnished to affected trades in time to prevent interruption of construction progress.
- Β. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PROJECT CONDITIONS 1.8

A. Install roller shades after finish work and ambient temperature, humidity and ventilation conditions are maintained at levels recommended for project upon completion.

1.9 WARRANTY

Α. Hardware and Shade Fabric: Draper's standard twenty-five year limited warranty.

1.10 MANUFACTURERS

- Acceptable Manufacturer: Draper, Inc., which is located at: 411 S. Pearl P. O. Box 425; Α. Spiceland, IN 47385-0425. ASD. Toll Free Tel: 800-238-7999; Tel: 765-987-7999; Fax: 866-637-5611; Web:www.draperinc.com.
- Β. Substitutions: As equal.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 25 13.

1.11 MANUALLY OPERATED WINDOW SHADES

- Manually Operated Window Shades with Independent Control: Manually operated, vertical A. roll-up, fabric window shade with components necessary for complete installation; Manual FlexShade XD as manufactured by Draper. Inc.
 - 1. Operation: Bead chain and clutch operating mechanism allowing shade to stop when chain is released. Designed never to need adjustment or lubrication. Provide limit stops to prevent shade from being raised or lowered too far.
 - Clutch mechanism: Fabricated from POM thermoplastic with welded 0.354 inch a. (9 mm) primary steel post with rotational bearing, overrunning design, and positive mechanical engagement of drive mechanism to tube. White or Black color as selected by Architect. Center bead chain placement for right or left hand operation and accommodates side channel with no adjustment of chain location.
 - Bead chain loop: Stainless steel bead chain. b.
 - Bead chain loop: Polyester bead chain, Ivory, Grey, White, Bronze or Black color C. as selected by Architect.
 - Bead Chain Hold Down: P-Clip. d.
 - Bead Chain Hold Down: Spring-Loaded Tensioner. e.
 - 2. Rollers: Extruded aluminum roller tube of appropriate diameter to support shade fabric with minimal deflection.
 - а Minimum Roller Tube Diameter: 1.56 inches.
 - Fabric Connection to Roller Tube: Spline fabric/roller attachment system to allow b. shade fabric to be removed from roller without having to remove roller from brackets.
 - Fabric Length: 6 inches greater than window height minimum. C.
 - Bottom Slat: 13/16 inch aluminum dowel, encased in bottom hem with heat d. sealed ends.
 - Orientation: Regular from back of roller. e.
 - Orientation: Reverse from front of roller. f.
 - 3. Bottom Slat
 - Closed pocket elliptical slat: 1" aluminum elliptical slat inside of a 1 5/8" pocket a. with heat sealed ends
 - Open pocket elliptical slat: 1" aluminum elliptical slat with plastic ends inside of a b. 1 5/8" pocket.
 - Flat exposed hem bar: Small: 7/8" x 5/16" and Large 1¹/₂" x 5/16" aluminum C. rectangular hem bar with plastic end caps. Powder coated in black, bronze, ivory, white or clear anodized.
 - Round exposed hem bar: Small 5/8" and Large 13/16" aluminum with plastic end d. caps. Powder coated in black, bronze, ivory, white or clear anodized.
 - 4. Mountina:
 - Endcaps only. a.
 - Endcaps and fascia. b.
 - Endcaps and headbox. C.
 - d. Headbox.
 - Ceiling pocket. e.
 - 5. Endcaps: Stamped steel with universal design suitable for mounting to ceiling, wall, and jamb. Provide size compatible with roller size.
 - Endcap covers: To match fascia or headbox color. a.
 - Mounted to ceiling. b.
 - Mounted to wall. C.
 - d Mounted to jamb.
 - 6. Fascia: L shaped aluminum extrusion to conceal shade roller and hardware.
 - Attachment: Snaps onto endcaps without requiring exposed fasteners of any a. kind. Fascia can be mounted continuously across two or more shade bands. No notching is required.

- b. Shape: Square Fascia Panel.
- C. Finish: Custom powder coat as selected by the Architect.
- 7. Headbox Ceiling/Wall style: Aluminum fabrication with removable closure, endcaps, and back and top cover piece:
 - Finish: Custom powder coat as selected by the Architect. а
- 8. Light Gap Reduction Channels.
 - L Angle 3/4 inch by 1 inch. a.
 - L Angle -1 inch by 2-3/4 inches. b.
 - U Channel -1 inch by 2-1/2 inches. C.
 - H Channel 1 inch by 5 inches. d.

1.12 FABRIC

- A. **Light-Filtering Fabrics**
 - 1. SheerWeave Series SW2703: Duplex basketweave fabric-light exterior color combined with dark interior color for thermal comfort and view-through. GREENGUARD Children & Schools, and Gold certified as a low emitting fabric. Manufacturer to supply GREENGUARD Children & Schools, and Gold certificate. Fire rating: NFPA 701. SW2703-3 percent open.
- Β. Color and pattern: SW2703-P28 3% Oyster/Charcocal.

PART 2 EXECUTION

2.1 **EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- Β. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

PREPARATION 2.2

- Α. Coordinate requirements for blocking and structural supports to ensure adequate means for installation of window shades.
- Β. Coordinate requirements for blocking, construction of shade pockets, and structural supports to ensure adequate means for installation of window shades.
- C. Coordinate installation of recessed shade pockets with construction of suspended acoustical panel ceilings specified in Section 09 51 23.

INSTALLATION 2.3

- Install in accordance with manufacturer's instructions. Α.
- Β. Install roller shades level, plumb, square, and true. Allow proper clearances for window operation hardware.
- C. Shade pockets:
 - 1. Install shade pockets prior to installation of suspended ceiling system. Attach to supporting structure with screws through top of pocket at 24 inches (610 mm) minimum centers.
 - 2. Install shade pockets in conjunction with installation of suspended ceiling system. Attach to supporting structure with screws through top of pocket at 24 inches (610 mm) minimum centers.
 - 3. Install corner pieces securely and in alignment with pockets.
 - 4. Install pocket ends securely and in alignment with pockets.

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(Consultant 8/28/19)	ŀ

- 5. After interior construction is essentially complete, install shade and operating mechanism in pocket.
- D. Install the following items to conceal roller and operating mechanism. Do not use exposed fasteners.
 - 1. Fascias.
 - 2. Closure panels.
 - 3. Endcaps.
- E. Install headbox, side channels, and sill channel with sealant specified in Section 07 92 00 Joint Sealants.
- F. Position shades level, plumb, and at proper height relative to adjacent construction. Secure with fasteners recommended by manufacturer.

2.4 TESTING AND DEMONSTRATION

- A. Test window shades to verify that interface to other building systems and other operating components are functional. Correct deficiencies.
- B. Test window shades to verify that operating mechanism, fabric retainer, and other operating components are functional. Correct deficiencies.
 1. Chain and clutch.
- C. During daylight hours, lower shades and turn off interior lights. Verify that there are no light leaks at perimeter or within shade assembly. Correct deficiencies.
- D. Demonstrate operation of shades to Owner's designated representatives.

2.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

2.6 SCHEDULES

A. Refer to Drawings for shade types and locations.

END OF SECTION

(5)

Barton Elementary School

Material List

Administration Building

Exterior

Aluminum Letters

• 8" Cast Aluminum, Century Gothic Front, Galvanized Finish

Aluminum Storefront

 Arcadia, AG451 Series Storefront, 2" x 4 ¹/₂" & 4 ¹/₂" x 4 ¹/₂" Center Glazed for 1" Glass, Anodized Black Aluminum Mullions

Gutter Color

- 20 GA Prefabricated Pre-Finished Sheet Metal, Gray Handrails
 - Galvanized Finish

Privacy Slat Fence Color

• Privacy Link, Tube Slat, Gray

Silicone Sealant

• Dowsil 795 Silicone Building Sealant, Black

Stucco Color

- Dunn Edwards Paint, Rainy Lake (DE5852)
- Dunn Edwards Paint, Silver Spoon (DE6366)
- Dunn Edwards Paint, Cool December (DEW383)

Interior

Acoustic Ceiling Panel

• Armstrong, Square Lay-in, 24" x 48" x 5/8", Fine Fissured, Ceramaguard, White Backsplash

• Daltile – Rittenhouse Square – 2x4" SWCH Arctic White STD

Carpet

- Mannington Glitch Art Collection Crosstalk Video Decoder Ceramic Tile
 - Perspecta 8" x 24" Wall Tile Pacific Blue
 - Perspecta 1/2" x 12" Jolly Trim Pacific Blue
- Counter Top
 - DuPont, Zodiaq, Storm Gray

Epoxy Flooring

• Dur-A-Quartz (Q28-21) – Gray

Glazing

- Vanceva, Color #HHHH, Transparent, Gray
- Vanceva, Color #3466, Transparent, Green
- Vanceva, Color #000H, Transparent, Gray Hallow Metal Doors Frame
 - Anodized Black

Lighting Fixtures

• Metalux Skyridge 24" x 48" Troffer LED Module, White



- Metalux, Skyridge, 12" x 48" Troffer LED Module, White
- Halo, 6" Square Lends Downlight and Lens Wall Wash, White
- Halo, Pendant Cylinder, 120V, White Shade

Luxury Vinyl Tile

- Mannington, Primary Element LVT, 12" x12" & 12" x 24" Tile, Thule PE111, Bond
- Mannington, Primary Element LVT, 12" x12" & 12" x 24" Tile, Azure PE109, Bond
- Mannington, Primary Element LVT, 12" x12" & 12" x 24" Tile, Alumina PE119, Bond

Paint

- Dunn Edwards Paint, Rainy Lake (DE5852)
- Dunne Edwards Paint, Earhart Emerald (DET537)
- Dunn Edwards Paint, Silver Spoon (DE6366)
- Dunn Edwards Paint, Cool December (DEW383)

Plastic Laminate Cabinets

- Pionite, Wedding Cake, WI790SD
- Plastic Laminate Doors
 - Pionite, Wedding Cake, WI790SD
- Room Control Signs

• Mohawk Sign System – Gray background, White text, Helvetica Font Tackable Wall Board

• Koroseal - Frost

Walk off Mat

• Tandus – Triad Mat System Geometric Tile – Medium Grey Window Frames

• Anodized Aluminum - Black

Window Shade Rollers

• Draper, Shade Fabric, 3%, Oyster/Pewter (SW2703/P91)

Multi-Use Building

Interior

Acoustic Ceiling Panel

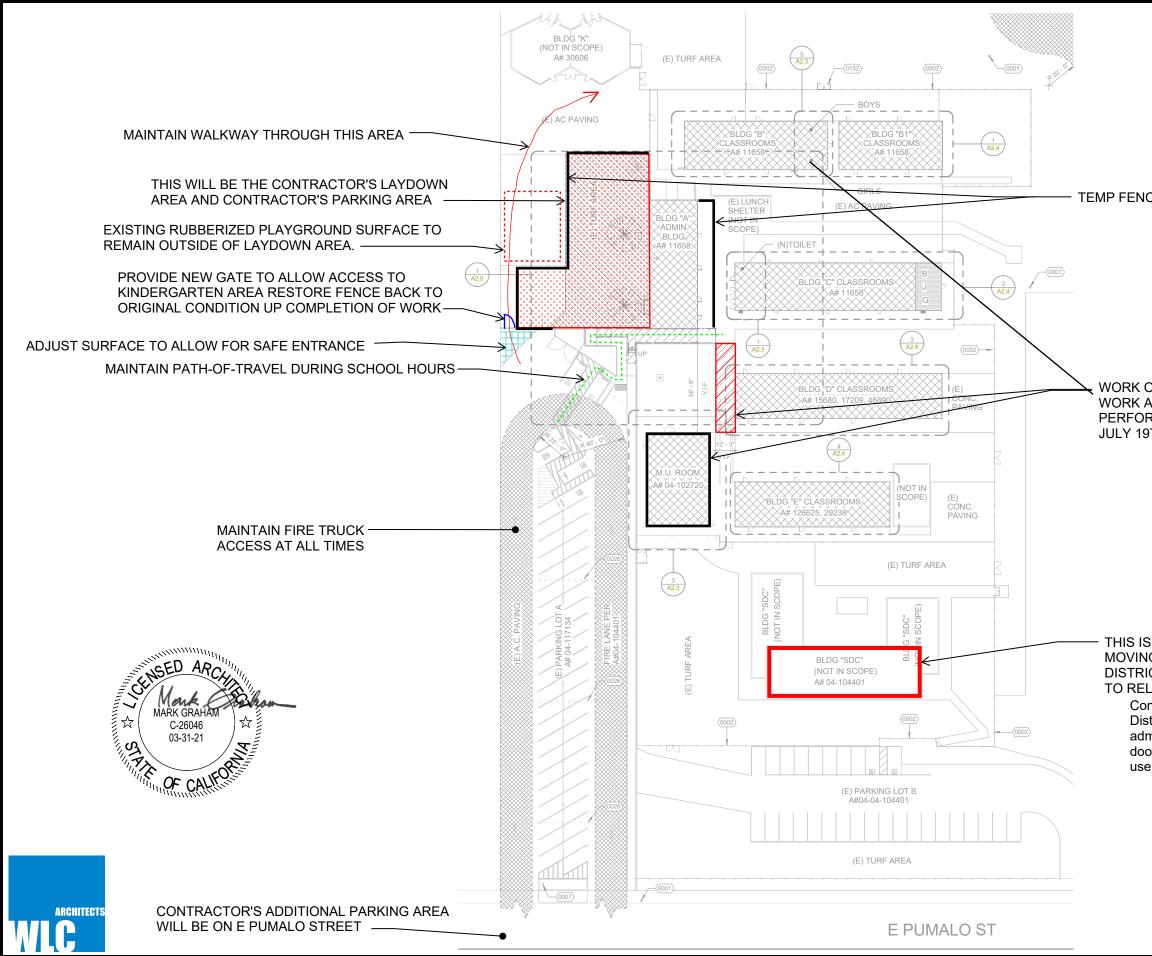
• Armstrong, Square Lay-in, 24" x 48" x 5/8", White

Light Fixtures

- Metalux, Skyridge 24" x 48" Troffer LED Module, White
- Luxury Vinyl Tile
 - Mannington, Primary Element LVT, 12" x12" & 12" x 24" Tile, Thule PE111, Bond
 - Mannington, Primary Element LVT, 12" x12" & 12" x 24" Tile, Azure PE109, Bond
 - Mannington, Primary Element LVT, 12" x12" & 12" x 24" Tile, Alumina PE119, Bond

Paint

- Dunn Edwards Paint, Rainy Lake (DE552)
- Dunne Edwards Paint, Earhart Emerald (DET537)
- Dunn Edwards Paint, Silver Spoon (DE6366)
- Dunn Edwards Paint, Cool December (DEW383)



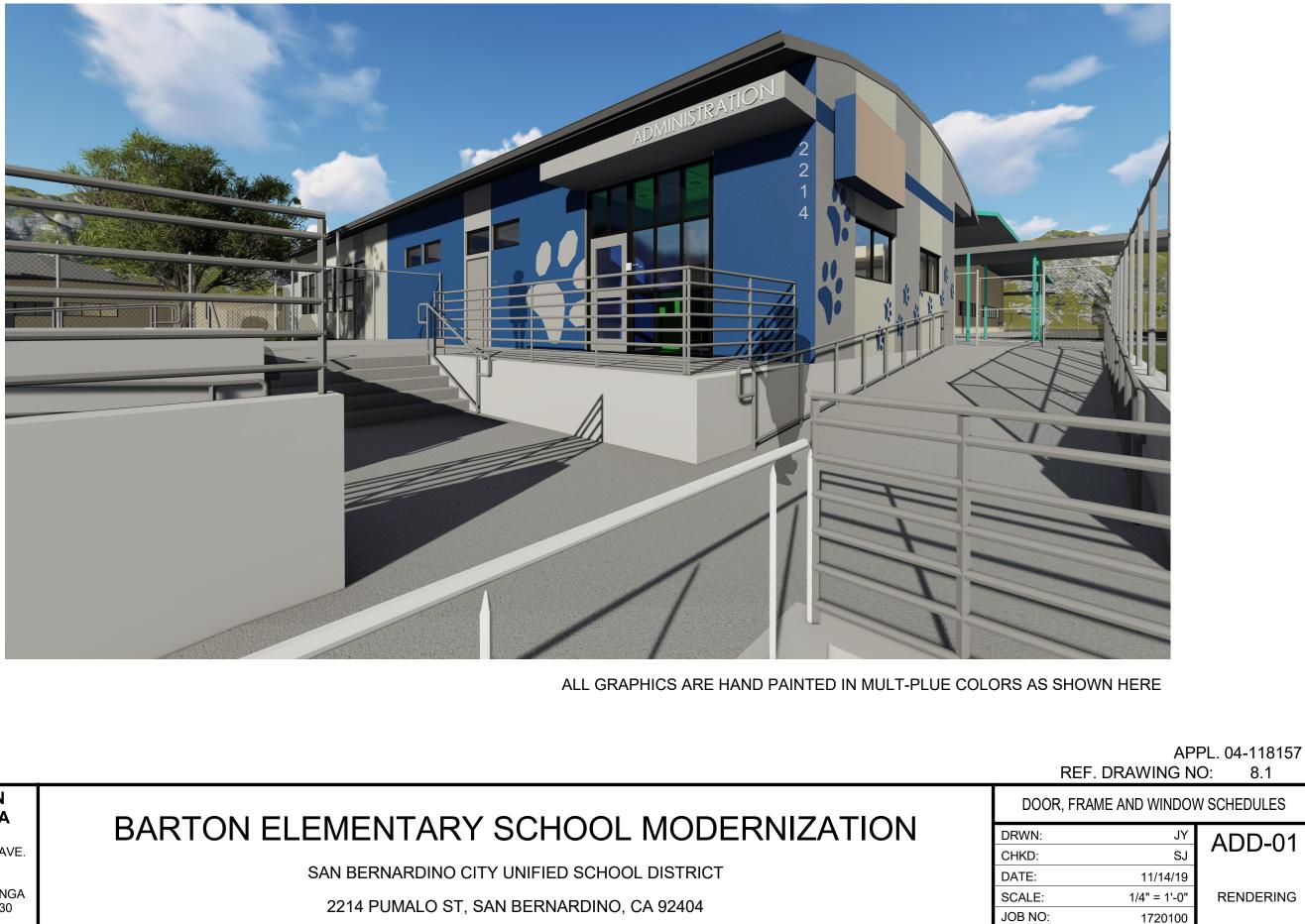
TEMP FENCING TO BE PROVIDED BY CONTRACTOR

WORK ON THE "MU" BUILDING, THIS SITE CONCRETE WORK AND B WING RESTROOMS SHALL BE PERFORMED BETWEEN JUNE 6TH, 2020 THROUGH JULY 19TH, 2020.

THIS IS WHERE THE NEW ADMINISTRATION BUILDING IS MOVING TO. (INITIAL MOVE WILL BE PERFORMED BY THE DISTRICT) COORDINATE WITH DISTRICT IT DEPARTMENT TO RELOCATE UTILITIES AS REQUIRED.

Contractor shall coordinate with District/District IT and relocate District staff, including furniture/belonging back to modernized administration building. Contractor shall also relocate iphone door door buzzer/camera (including wiring for power/data), for use at Administration Building, coordinate with District.

PHASING PLAN FOR BARTON ES





/IARK GRAH

C-26046



Report for:

Elaine Horng ATC Group Services LLC: Monterey Park 25 Cupania Circle Monterey Park, CA 91755

Regarding: Project: 1011601607-P1; Barton Elementary School EML ID: 2260957

Approved by:

Approved Signatory Roshanak Kalantari

Dates of Analysis: Asbestos PLM: 09-25-2019 and 09-26-2019

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K

73

Client: ATC Group Services LLC: Monterey Park C/O: Elaine Horng Re: 1011601607-P1; Barton Elementary School

ASBESTOS PLM REPORT

1010 N Central Avenue, Suite 390, Glendale, CA 91202 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Total Samples Submitted:

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019 Date of Report: 09-26-2019

	Total Samples Ana	lyzed: 73
	Total Samples with Layer Asbestos Content	>1%: 3
Location: 001, 12'x12'' Off white with brown sn	nall mudges with mastic staff room Lab I	D-Version‡: 10751291-
Sample Layers	Asbestos Content	
Off-White Floor Tile	ND	
Brown Mastic	ND	
Sample Composite Homo	geneity: Good	
Bample Composite Home	genery. 0000	
Location: 002, 12"x12" Off white with brown sr		D-Version‡: 10751292-
<u>^</u>		D-Version‡: 10751292-
Location: 002, 12"x12" Off white with brown sr	mall smudges with mastic copy rm Lab I	D-Version‡: 10751292-
Location: 002, 12''x12'' Off white with brown sr Sample Layers	mall smudges with mastic copy rm Lab I Asbestos Content	D-Version‡: 10751292-

Location: 003, 12"x12" Off white with brown small smudges with mastic near sink Lab ID-Version: 10751293-1

Sample Layers	Asbestos Content	
Off-White Floor Tile	ND	
Brown Mastic	ND	
Sample Composite Homogeneity: Good		

Location: 004, Leveling compound staff RR

 Sample Layers
 Asbestos Content

 Light Gray Leveling Compound
 ND

 Yellow Mastic
 ND

 Sample Composite Homogeneity:
 Good

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Lab ID-Version #: 10751294-1

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ASBESTOS PLM REPORT

Location: 005, Leveling compound staff RR

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019 Date of Report: 09-26-2019

Lab ID-Version‡: 10751295-1

Sample Layers	Asbestos Content	
Light Gray Leveling Compound	ND	
Yellow Mastic	ND	
Sample Composite Homogeneity: Good		

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ASBESTOS PLM REPORT

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019 Date of Report: 09-26-2019

Location: 006, Leveling compound staff RR

	•
Sample Layers	Asbestos Content
Light Gray Leveling Compound	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 007, Leveling compound with mastic admin office entry	Lab ID-Version‡: 10751297-1
Sample Layers	Asbestos Content
Light Gray Leveling Compound	ND
Black Mastic	2% Chrysotile
Sample Composite Homogeneity: Good	
Location: 008, Leveling compound with mastic admin office entry	Lab ID-Version‡: 10751298-1
Location: 008, Leveling compound with mastic admin office entry Sample Layers	Lab ID-Version‡: 10751298-1 Asbestos Content
Sample Layers	Asbestos Content
Sample Layers Light Gray Leveling Compound	Asbestos Content ND

Location: 009, Leveling compound with mastic admin office entry

Sample Layers	Asbestos Content
Light Gray Leveling Compound	ND
Black Mastic	2% Chrysotile
Sample Composite Homogeneity:	Good

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Lab ID-Version \$\$: 10751296-1

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ASBESTOS PLM REPORT

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019 Date of Report: 09-26-2019

Location: 010, Carpet mastic nurse's offices

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 011, Carpet mastic admin office	Lab ID-Version‡: 10751301-1
Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 012, Carpet mastic admin office

Sample Layers	Asbestos Content
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 013, Baseboard mastic nurse's room

Location: 013, Baseboard mastic nurse's room	Lab ID-Version‡: 10751303-1
Sample Layers	Asbestos Content
White Mastic	ND
Sample Composite Homogeneity:	Good

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Lab ID-Version #: 10751300-1

Lab ID-Version 10751302-1

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ASBESTOS PLM REPORT

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019 Date of Report: 09-26-2019

Location: 014, Baseboard mastic admin office

Sample Layers	Asbestos Content
White Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Good

Location: 015, Baseboard mastic copy room	Lab ID-Version‡: 10751305-1
Sample Layers	Asbestos Content
White Mastic	ND
White Compound	ND
Sample Composite Homogeneity	Good

Location: 016, Baseboard mastic (sub layer) nurse's room

Location. 010, Dascobard maste (sub layer) hurse s room	
Sample Layers	Asbestos Content
Beige Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Good

Location: 017, Baseboard mastic (sub layer) nurse's room

Sample LayersAsbestos ContentBeige MasticNDWhite CompoundNDSample Composite Homogeneity:Good

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Lab ID-Version‡: 10751304-1

Lab ID-Version[†]: 10751306-1

Lab ID-Version 10751307-1

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ASBESTOS PLM REPORT

Location: 018, Baseboard mastic (sub layer) nurse's roo	DM Lab ID-Version‡: 10751308-1
Sample Layers	Asbestos Content
Beige Mastic	ND
White Compound	ND
Sample Composite Homogeneity: Good	

Location: 019, Plaster nurse's office W	Lab ID-Version‡: 10751309-1
Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity:	Good

Location: 020, Plaster admin office N	Lab ID-Version‡: 10751310-1
Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity:	Good

Location: 021, Plaster staff rm W	Lab ID-Version‡: 10751311-1
Sample Layers	Asbestos Content
White Plaster	ND
White Tape	ND
White Compound	ND
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Good

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Date of Receipt: 09-25-2019

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ASBESTOS PLM REPORT

Location: 022, Wallboard/joint compound nurse's rm V	V Lab ID-Version‡: 10751312-1
Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 023, Wallboard/joint compound nurse's office	e W Lab ID-Version‡: 10751313-1
Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 024, Wallboard/joint compound nurse's office E

Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity: Good	

Location: 025, Wallboard/joint compound staff rm NW

Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity:	Good

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Lab ID-Version‡: 10751315-1

Lab ID-Version : 10751314-1

Lab ID-Version 10751318-1

Lab ID-Version 10751319-1

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ASBESTOS PLM REPORT

Location: 026, Wallboard/joint compound copy room S	W Lab ID-Version‡: 10751316-1
Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 027, 2'x4' ceiling panel admin office	Lab ID-Version‡: 10751317-1
Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

Location: 028, 2'x4' Ceiling panel admin office

	·
Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

Location: 029, 2'x4' Ceiling panel admin office

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

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Location: 030, Baseboard mastic councilor's office

Sample Layers	Asbestos Content
White Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Good

Location: 031. Baseboard mastic councilor's office

Sample Layers	Asbestos Content
White Mastic	ND
White Compound	ND
Sample Composite Homogeneity:	Good

Location: 032. Baseboard mastic councilor's office

Sample Layers	Asbestos Content
White Mastic	ND
Sample Composite Homogeneity:	Good

Location: 033, Wallboard N

Location: 033, Wallboard N	Lab ID-Version‡: 10751323-1
Sample Layers	Asbestos Content
White Drywall	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

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Lab ID-Version[‡]: 10751321-1

Lab ID-Version 10751322-1

Lab ID-Version #: 10751320-1

Lab ID-Version #: 10751324-1

Lab ID-Version 10751326-1

Lab ID-Version 10751327-1

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ASBESTOS PLM REPORT

Location: 034, Wallboard NE

Sample Layers	Asbestos Content
White Drywall	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 035, Wallboard NW	Lab ID-Version‡: 10751325-1
Sample Layers	Asbestos Content
White Drywall	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: 036, Plaster N

	•
Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity:	Good

Location: 037, Plaster S

Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity: Good	

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ASBESTOS PLM REPORT

Location: 038, Plaster SE

Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity:	Good

Location: 039, 2'x4' Ceiling panel N	Lab ID-Version‡: 10751329-1
Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Glass Fibers
	20% Cellulose
Sample Composite Homogeneity:	Good

Location: 040, 2'x4' ceiling panel S

Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	
	20% Cellulose
Sample Composite Homogeneity:	Good

Location: 041, 2'x4' ceiling panel W

/ 81	
Sample Layers	Asbestos Content
Beige Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	35% Glass Fibers
-	20% Cellulose
Sample Composite Homogeneity:	Good

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Lab ID-Version‡: 10751328-1

Lab ID-Version 10751330-1

Lab ID-Version 10751331-1

Lab ID-Version #: 10751332-1

Lab ID-Version 10751334-1

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ASBESTOS PLM REPORT

Location: 042, Carpet mastic NE

Sample Layers	Asbestos Content
Gray Mastic	ND
Sample Composite Homogeneity:	Good

Location: 043, Carpet mastic E	Lab ID-Version‡: 10751333-1
Sample Layers	Asbestos Content
Gray Mastic	ND
Sample Composite Homogeneity:	Good

Location: 044, Carpet mastic SW

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Sample Layers	Asbestos Content
Gray Mastic	ND
Sample Composite Homogeneity:	Good

Location: 045. Joint compound W

Location: 045, Joint compound W	Lab ID-Version‡: 10751335-1
Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity: Good	

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Date of Report: 09-26-2019

Lab ID-Version #: 10751336-1

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Date of Report: 09-26-2019

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ASBESTOS PLM REPORT

Location: 046, Joint compound S

Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 047, Joint compound SW	Lab ID-Version‡: 10751337-1
Sample Layers	Asbestos Content
White Joint Compound	ND
Sample Composite Homogeneity:	Good

Location: 048, Floor tile grout and mortar admin bldg RR

Sample Layers	Asbestos Content
Gray Mortar	ND
White Grout (Trace)	ND
Sample Composite Homogeneity: Good	

Location: 049, Floor tile grout and mortar admin bldg RR

Sample Layers	Asbestos Content
Gray Mortar	ND
White Grout (Trace)	ND
Sample Composite Homogeneity: Good	

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Lab ID-Version‡: 10751338-1

Lab ID-Version 10751339-1

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Date of Receipt: 09-25-2019

Date of Report: 09-26-2019

Client: ATC Group Services LLC: Monterey Park C/O: Elaine Horng Re: 1011601607-P1; Barton Elementary School

ASBESTOS PLM REPORT

Location: 050, Floor tile grout and mortar admin bldg	RR Lab ID-Version‡: 10751340-1
Sample Layers	Asbestos Content
Gray Mortar	ND
White Grout (Trace)	ND
Sample Composite Homogeneity: Good	

Location: 051, W.T. grout/mortar admin bldg RR

	•
Sample Layers	Asbestos Content
White Compound	ND
Sample Composite Homogeneity:	Good

Location: 052, W.T. grout/mortar admin bldg RR

Sample Layers	Asbestos Content
White Compound	ND
Sample Composite Homogeneity:	Good

Location: 053, W.T. grout/mortar admin bldg RR

Sample Layers	Asbestos Content
White Compound	ND
Sample Composite Homogeneity:	Good

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Lab ID-Version : 10751343-1

Lab ID-Version[‡]: 10751341-1

Lab ID-Version 10751342-1

Lab ID-Version #: 10751344-1

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ASBESTOS PLM REPORT

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Location: 054, F.T. grout/mortar bldg C boys Sample Layers

Sample Layers	Asbestos Content
Gray Grout	ND
Sample Composite Homogeneity:	Good

Location: 055, F.T. grout/mortar bldg C boys	Lab ID-Version‡: 10751345-1
Sample Layers	Asbestos Content
Gray Grout	ND
Sample Composite Homogeneity:	Good

Location: 056, F.T. grout/mortar bldg C girls

Sample Layers	Asbestos Content
Gray Grout	ND
Sample Composite Homogeneity:	Good

Location: 057, W.T. grout/mortar bldg C boys

Sample Layers	Asbestos Content
Gray Grout	ND
White Mortar	ND
Sample Composite Homogeneity: Good	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Lab ID-Version‡: 10751347-1

Lab ID-Version 10751346-1

Lab ID-Version \$\$: 10751348-1

Lab ID-Version[‡]: 10751349-1

Lab ID-Version 10751351-1

1010 N Central Avenue, Suite 390, Glendale, CA 91202 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019

Client: ATC Group Services LLC: Monterey Park C/O: Elaine Horng Re: 1011601607-P1; Barton Elementary School

ASBESTOS PLM REPORT

Location: 058, W.T. grout/mortar bldg C boys

Sample Layers	Asbestos Content
Gray Grout	ND
White Mortar	ND
Sample Composite Homogeneity:	Good

Location: 059, W.T. grout/mortar bldg C girls

	······································
Sample Layers	Asbestos Content
Gray Grout	ND
White Mortar	ND
Sample Composite Homogeneity:	Good

Location: 060. Stucco admin ex

Location: 060, Stucco admin ex	Lab ID-Version‡: 10751350-1
Sample Layers	Asbestos Content
Red Stucco	ND
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Good

Location: 061, Stucco admin bldg ext

Sample Layers	Asbestos Content
Red Stucco	ND
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Good

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A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Date of Report: 09-26-2019

1010 N Central Avenue, Suite 390, Glendale, CA 91202 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019

Client: ATC Group Services LLC: Monterey Park C/O: Elaine Horng Re: 1011601607-P1; Barton Elementary School

ASBESTOS PLM REPORT

Location: 062, Stucco admin bldg ext

Sample Layers	Asbestos Content
Red Stucco	< 1% Chrysotile
Gray Cementitious Material	ND
Sample Composite Homogeneity: Good	

Location: 063, Stucco admin bldg ext	Lab ID-Version‡: 10751353-1
Sample Layers	Asbestos Content
Red Stucco	ND
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Good

Location: 064. Stucco admin bldg ext

	•
Sample Layers	Asbestos Content
Red Stucco	< 1% Chrysotile
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Good

Location: 065, Stucco bldg C

Sample Layers	Asbestos Content
Light Gray Stucco	ND
Sample Composite Homogeneity:	Good

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A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Date of Report: 09-26-2019

Lab ID-Version 10751354-1

Lab ID-Version #: 10751355-1

Lab ID-Version #: 10751352-1

Lab ID-Version #: 10751356-1

Lab ID-Version 10751358-1

1010 N Central Avenue, Suite 390, Glendale, CA 91202 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: ATC Group Services LLC: Monterey Park C/O: Elaine Horng Re: 1011601607-P1; Barton Elementary School

Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019 Date of Report: 09-26-2019

ASBESTOS PLM REPORT

Location: 066, Stucco bldg C

Sample Layers	Asbestos Content
Light Gray Stucco	ND
Sample Composite Homogeneity:	Good

Location: 067, Stucco bldg C	Lab ID-Version‡: 10751357-1
Sample Layers	Asbestos Content
Light Gray Stucco	ND
Sample Composite Homogeneity:	Good

Location: 068, Stucco bldg B

Sample Layers	Asbestos Content
Light Gray Stucco	ND
Sample Composite Homogeneity:	Good

Location: 069. Stucco bldg B

Location: 069, Stucco bldg B	Lab ID-Version‡: 10751359-1
Sample Layers	Asbestos Content
Light Gray Stucco	ND
Sample Composite Homogeneity:	Good

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A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Lab ID-Version \$\$: 10751360-1

1010 N Central Avenue, Suite 390, Glendale, CA 91202 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: ATC Group Services LLC: Monterey Park C/O: Elaine Horng Re: 1011601607-P1; Barton Elementary School Date of Sampling: 09-21-2019 Date of Receipt: 09-25-2019 Date of Report: 09-26-2019

ASBESTOS PLM REPORT

Location: 070, Stucco bldg B

Sample Layers	Asbestos Content
Light Gray Stucco	ND
Sample Composite Homogeneity:	Good

Location: 071, Plaster boys	Lab ID-Version‡: 10751361-1
Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity:	Good

Location: 072, Plaster boys

Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity:	Good

Location: 073, Plaster girls

	······································
Sample Layers	Asbestos Content
White Plaster	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Lab ID-Version : 10751363-1

Lab ID-Version 10751362-1

LA Testing 5431 Industrial Drive, Huntington Beach, CA 92649 Phone/Fax: (714) 828-4999 / (714) 828-4944 http://www.LATesting.com gardengrovelab@	<u>Datesting.com</u>	LA Testing Order: 331920460 CustomerID: 32ATCA45 CustomerPO: ProjectID:
Attn: Elaine Horng	Phone:	(323) 517-9780
		(323) 517-9781
25 Cupania Circle	09/25/19 12:35 PM	
Monterey Park, CA 91755	Collected:	9/21/2019

Project: 1011601607/ P1 - Barton

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected Analyzed	Weight R	DL	Lead Concentration
P01 331920460-0001	9/21/2019 9/26/2019 Site: On plaster wall, staff rm East Desc: White	.279 g	80 ppm	<80 ppm
P02 331920460-0002	9/21/2019 9/26/2019 Site: On metal DF, staff rm North Desc: Green	.264 g	80 ppm	<80 ppm
P03 <i>331920460-0003</i>	9/21/2019 9/26/2019 Site: On stucco, ext. admin bldg Desc: Tan	.282 g	80 ppm	<80 ppm
P04 331920460-0004	9/21/2019 9/26/2019 Site: Beige paint on plaster Desc: Beige	.258 g	80 ppm	<80 ppm

michael Chapman

Michael Chapman, Laboratory Manager or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--ELLAP Accredited #101650, CA ELAP 1406

Initial report from 09/27/2019 16:53:09



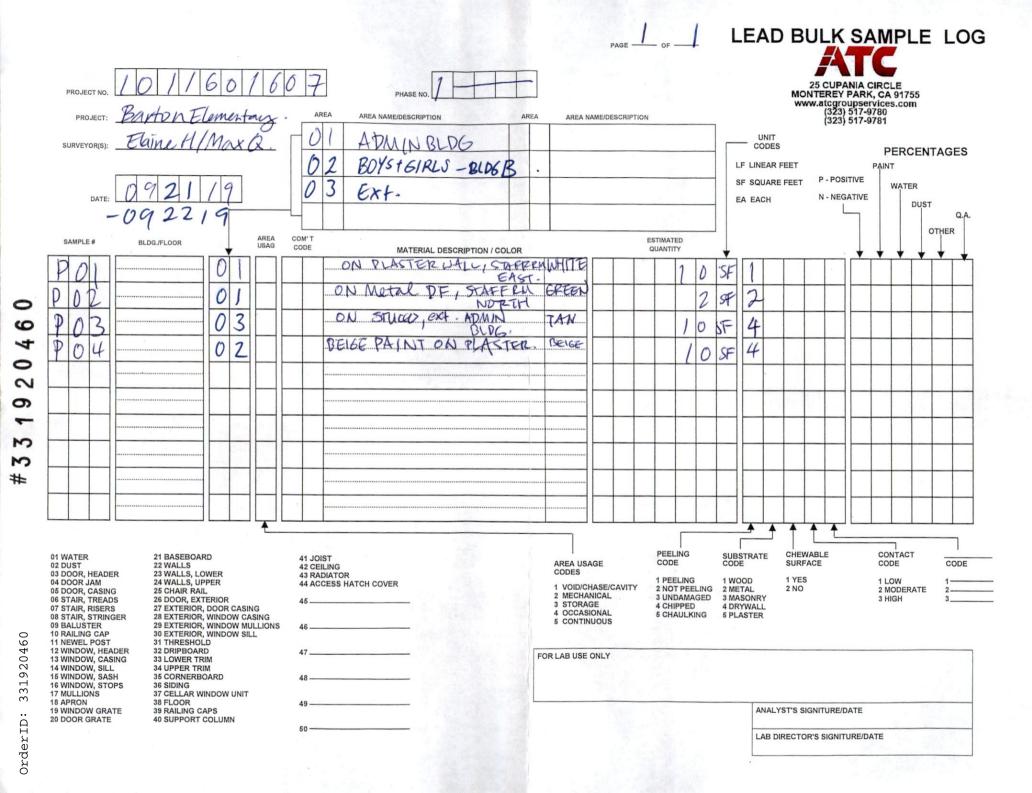
Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

LATesting 520 Mission Street

#331920460

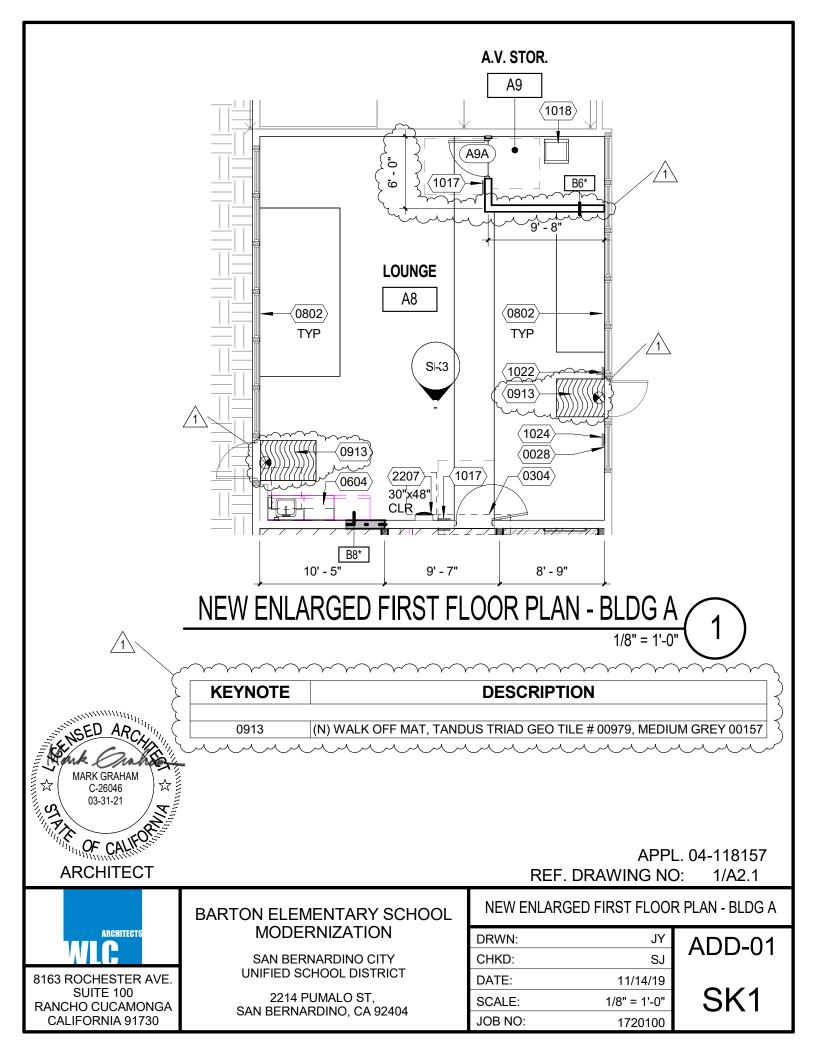
South Pasadena, CA 91030 PHONE: 1-800-303-0047 FAX: 323-254-9982

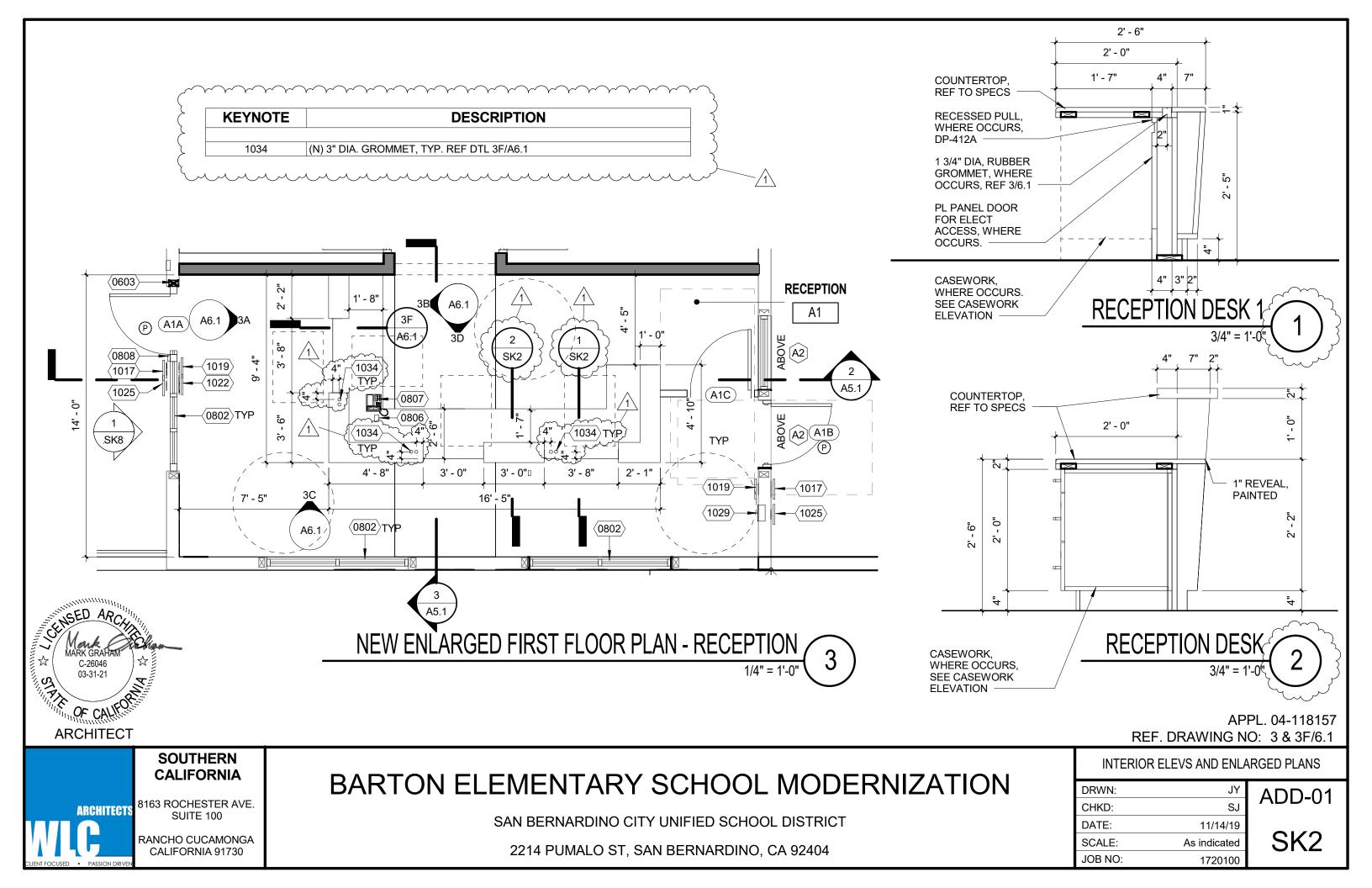
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Company : ATC Group Services	s LLC				MSL-Bill to: to is Different note ins	Different 🗸		5
Street: 25 Cupania Circle								
City: Monterey Park	State/F	Province: CA		Third Party Billing requires written authorization from third p ostal Code: 91755 Country: United				
Report To (Name): Elaine Horng					3-517-9780	000mm,	United	olaioo
Email Address: elaine.horng@a		om		323-517-		Purchase	Orde	
		7/PI-Barton		rovide Re				Mail ·
U.S. State Samples Taken: CA	0100	1 pr winne			ommercial/Taxal		-	1
0.0. Otate Samples Taken. Or	Т	urnaround Time (TA	and the second se	the second s			liai/ la	x Exempt
3 Hour 6 Hour		Hour 48 Hour		2 Hour	96 Hour	1 Week	Тг	2 Week
		ed in accordance with EMS						12 WCCK
Matrix		Method			strument	Reporting	imit	Check
Chips 🗌 % by wt. 🗌 mg/cm² 🔳	ppm	SW846-7000E	3	Flame A	Atomic Absorption	0.01%		X
Air		NIOSH 7082		Flame A	Atomic Absorption	4 µg/filte	er	
		NIOSH 7105		Graph	nite Furnace AA	0.03 µg/fil		
		NIOSH 7300 mod			-AES/ICP-MS	0.5 µg/filt		H H
Wipe* ASTM		SW846-7000E	3	Flame A	Atomic Absorption	10 µg/wip		
non ASTM *if no box is checked, non-ASTM		SW846-6010B o	or C		ICP-AES	1.0 µg/wij	be	
Wipe is assumed	Section 1	SW846-7000B/7	010	Graph	ite Furnace AA	0.075 µg/w	vipe	
TCLP		SW846-1311/7000B/S	M 3111B	Flame Atomic Absorption		0.4 mg/L (p		
		SW846-1131/SW846-6		ICP-AES		0.1 mg/L (p	the second se	
Soil		SW846-7000E		Flame Atomic Absorption		40 mg/kg (p	1 /	
		SW846-7010 SW846-6010B o			nite Furnace AA	0.3 mg/kg (
		SM3111B/SW846-7			tomic Absorption	2 mg/kg (p 0.4 mg/L (p		
Wastewater Unpreserved		EPA 200.9	1000D		ite Furnace AA	0.003 mg/L (H
Preserved with $HNO_3 pH < 2$		EPA 200.7			ICP-AES	0.020 mg/L (ppm)		
Drinking Water Unpreserved		EPA 200.9		Graph	ite Furnace AA	0.003 mg/L (
Preserved with HNO ₃ pH < 2	< 2 EPA 200.8			ICP-MS		0.001 mg/L (ppm)	
TSP/SPM Filter 40 CFR Part 50					12 µg/filte			
Other:		40 CFR Part 5	0	Graphite Furnace AA		3.6 µg/filt	er	
	1.00.1					1 10		
Name of Sampler: Elaine I			Signa		Sampler:			
	Locati			volu	me/Area	Date/	l ime :	Sampled
PO1-POY See aft.	adres	(
			<u> </u>					
Client Sample #'s	-				Total # of Sa	mples:	9	
Relinguished (Client):	~7	Date:	9.2	1.19	Time:			_
Passived (Lab): V-TOTTON Data 9/25/19 Time 930 AM					1M			
Received (Lab):	1-	Date:	6	-11	Time:			
BillTo: ATC Group Services LLC, 25 Cupania Circle, Attention: Elaine Horng ; elaine.horng@atcgs.com	Monterey P	ark, CA, 91755, United States				(1	-)	€
						(FE	Th	
Recen	ed-	cmas a	12518	2 1'	2:35			
		Page 1 of	pages	-10 EU C				

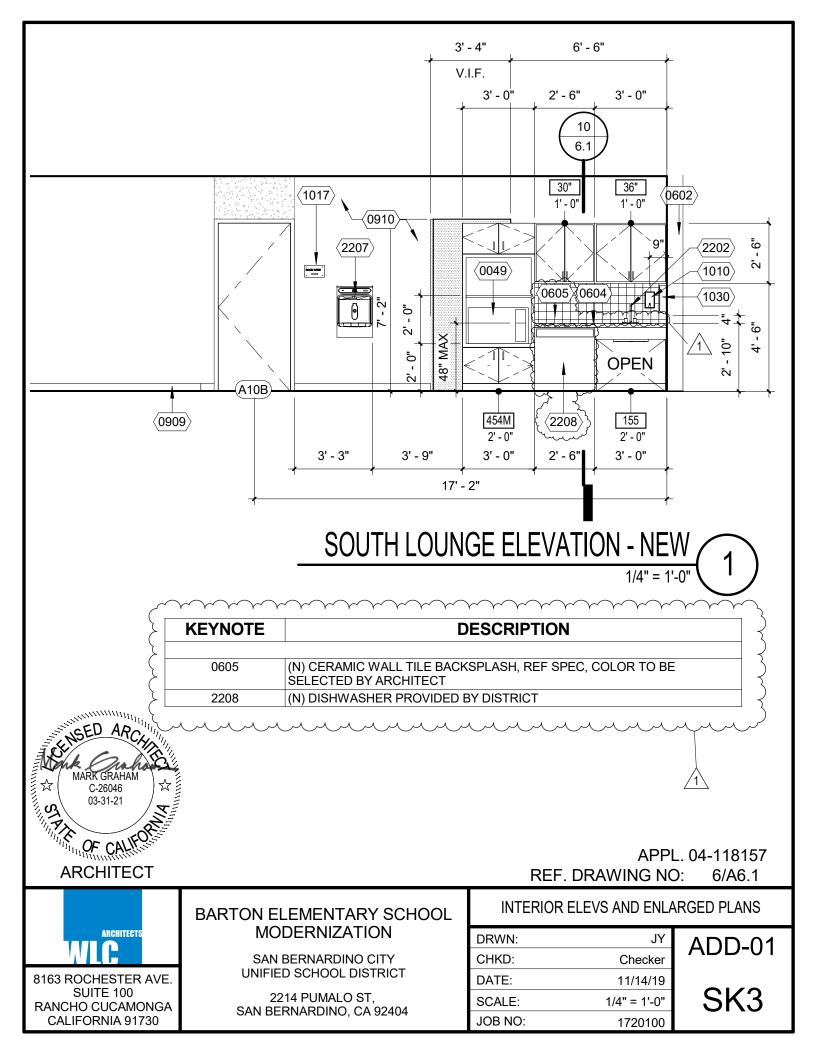


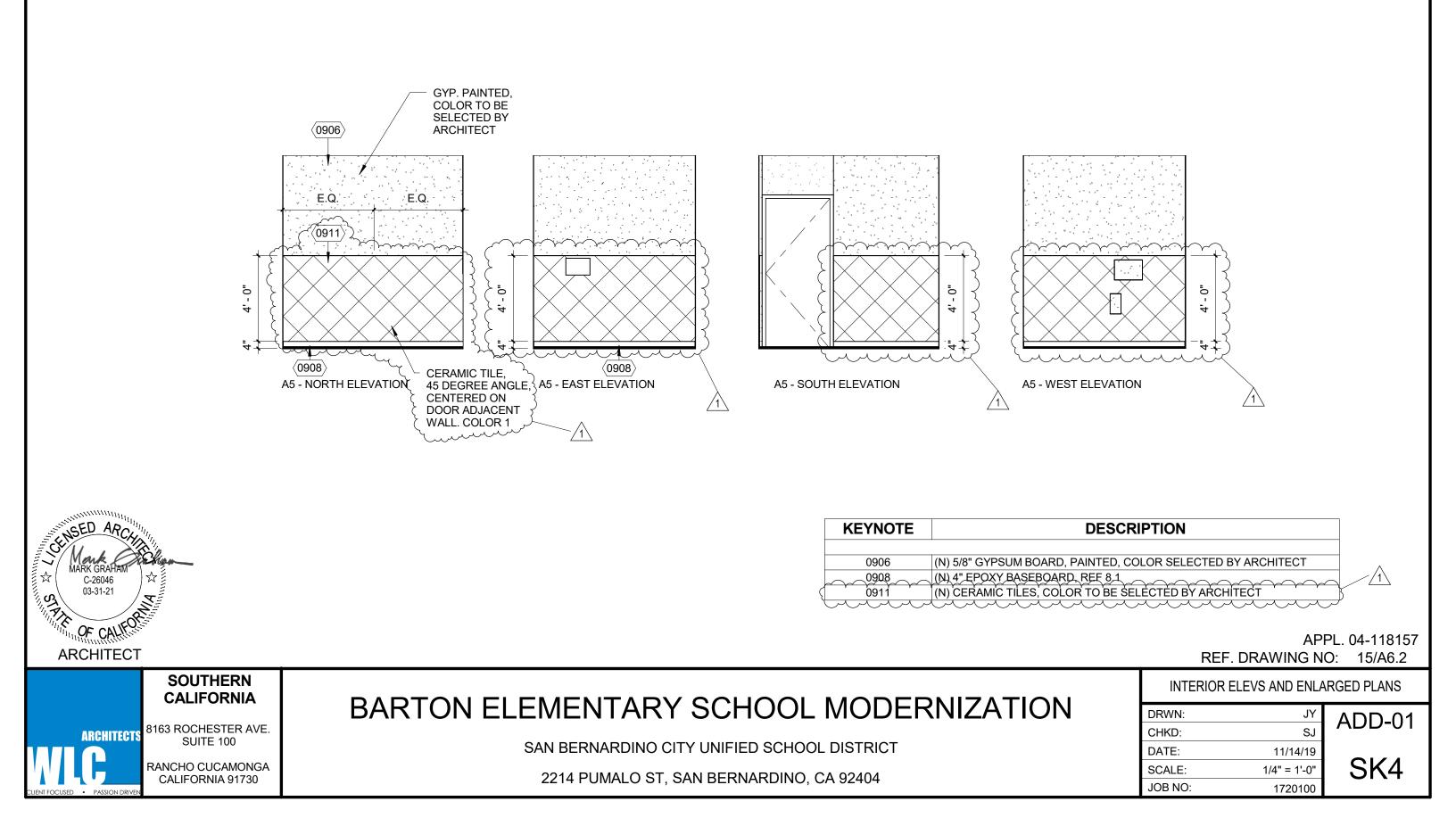
Page 2 Of

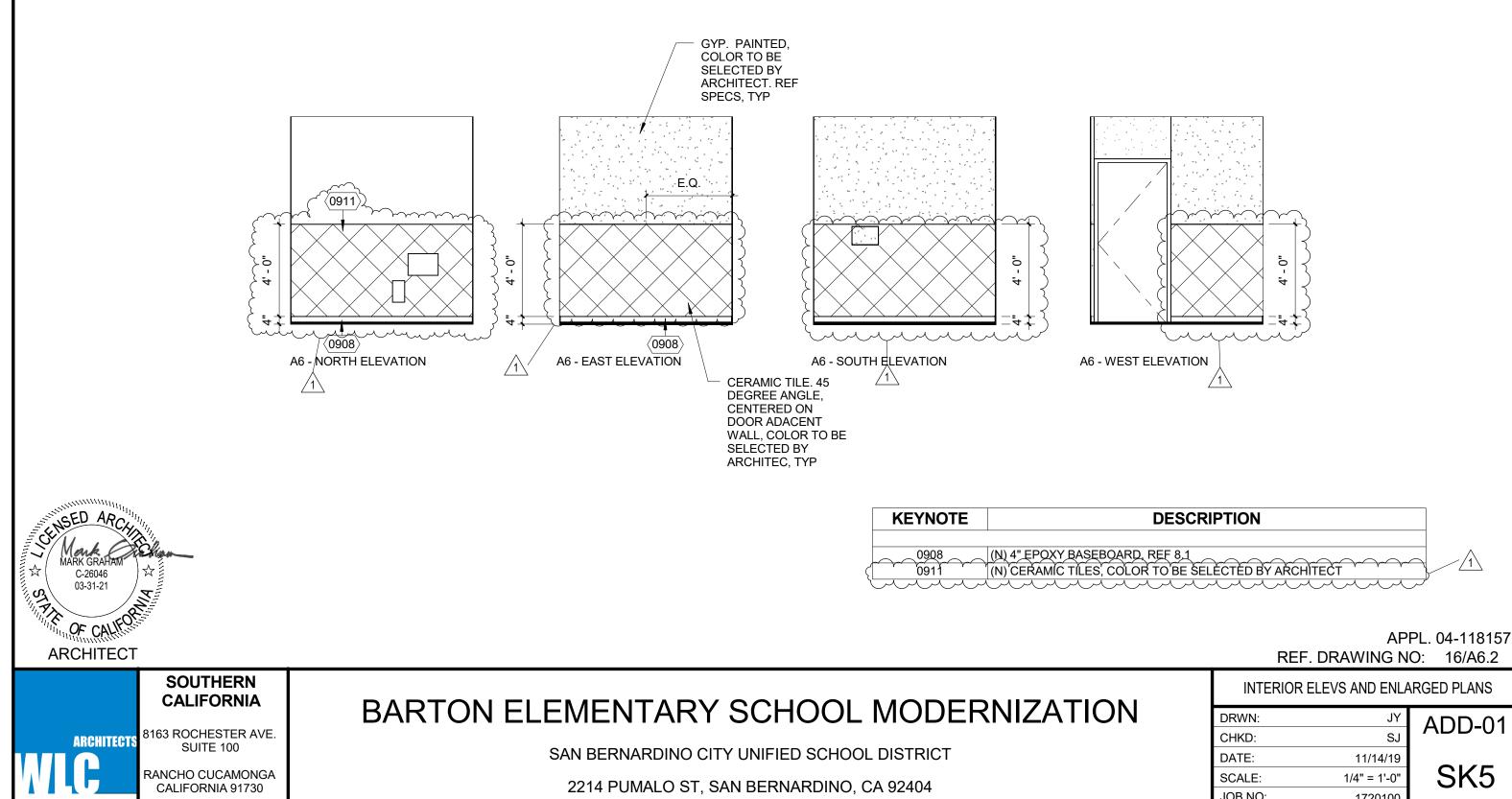
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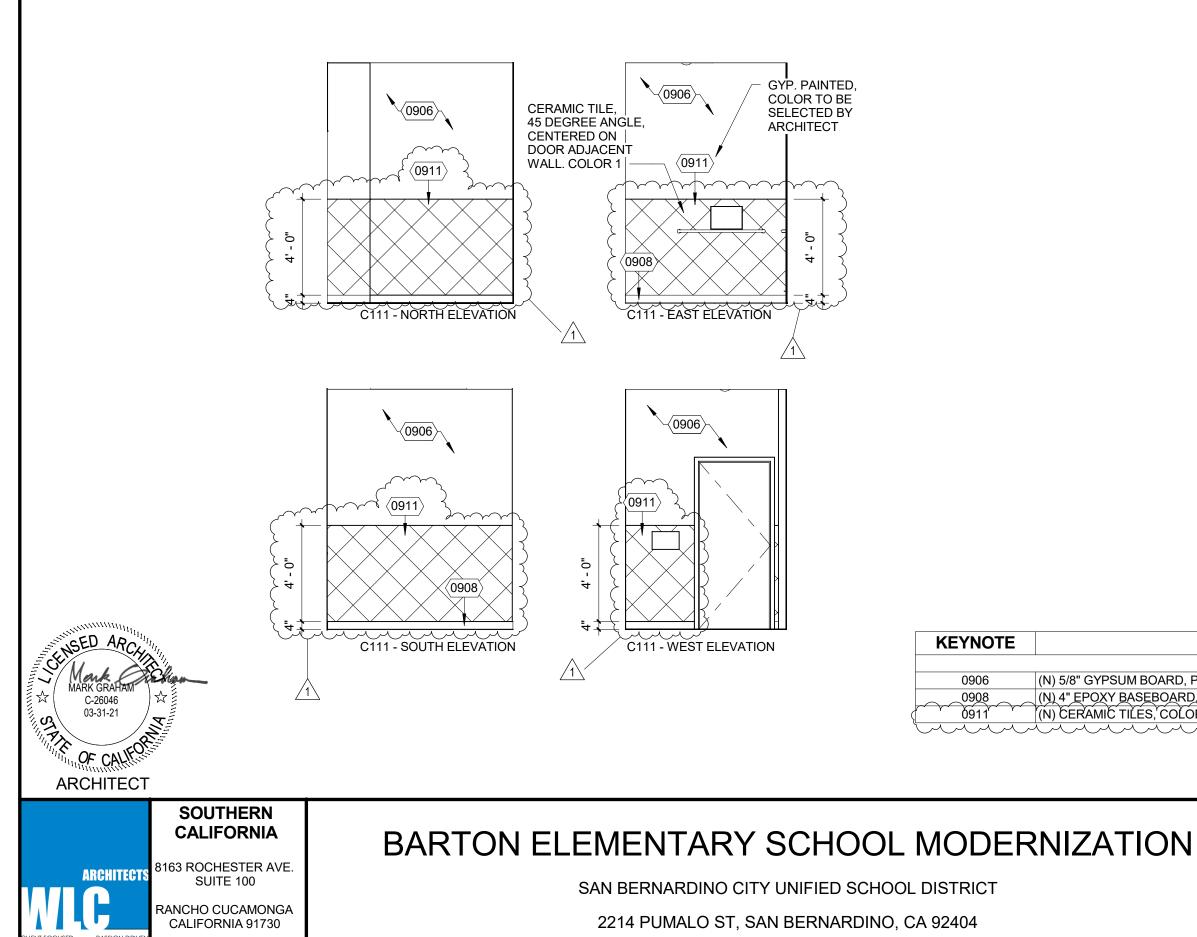




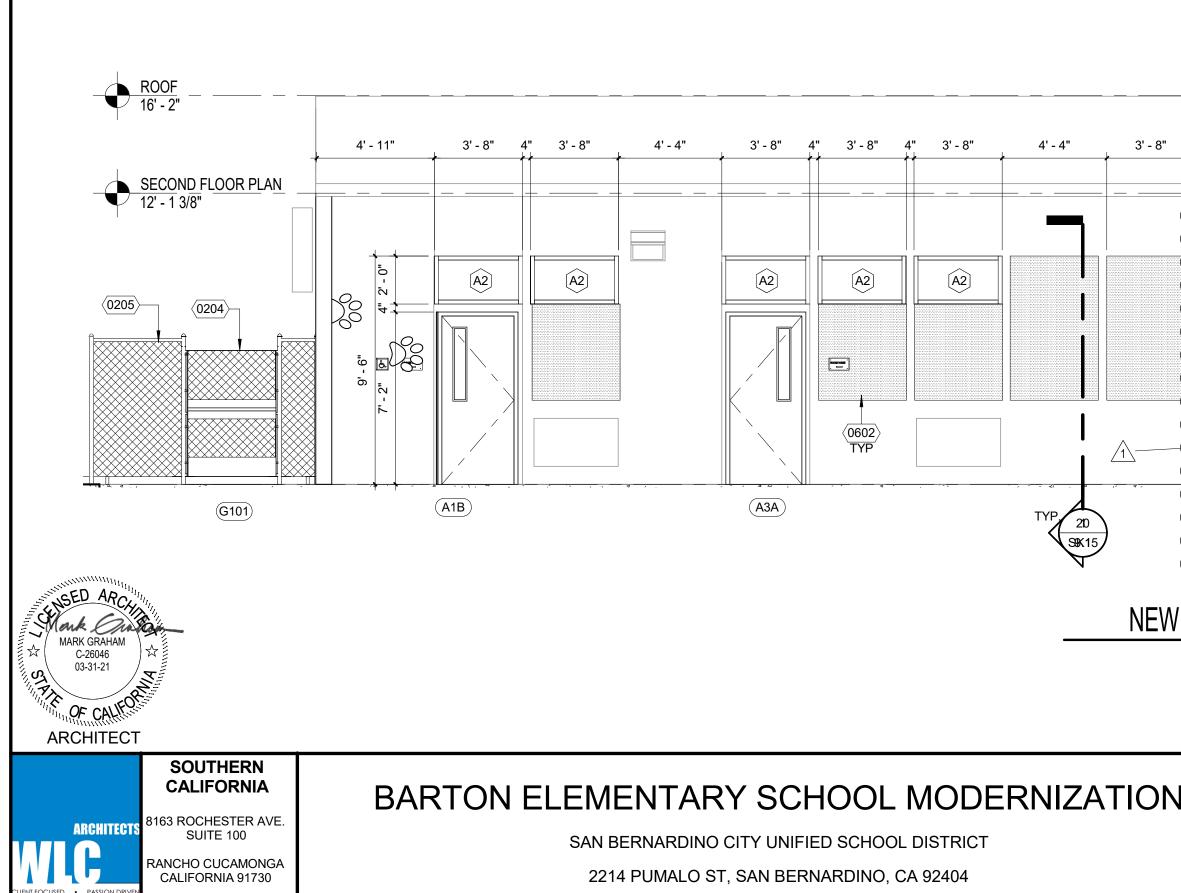




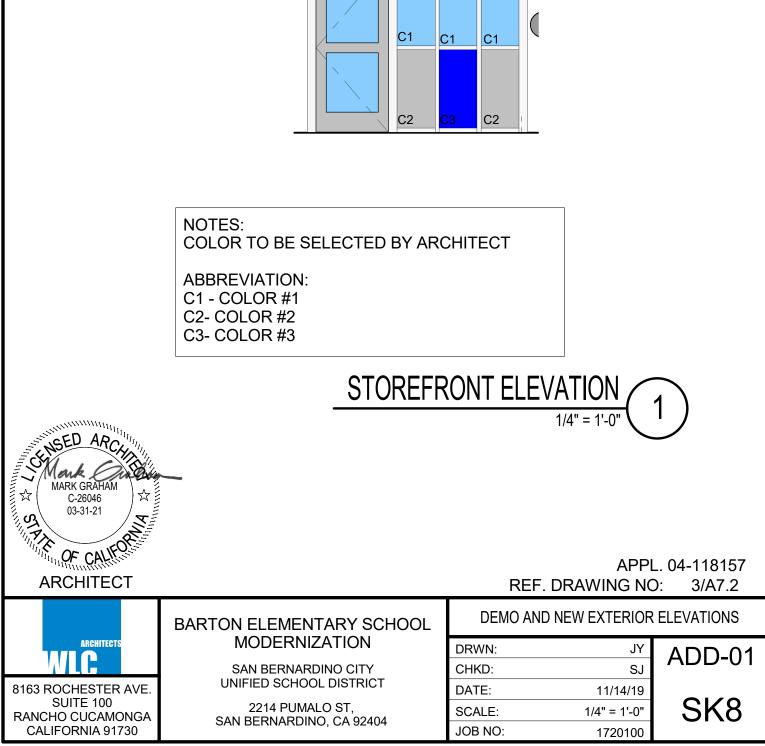
I	INTERIOR ELEVS AND ENLARGED PLANS		
	DRWN:	JY	ADD-01
	CHKD:	SJ	
	DATE:	11/14/19	
	SCALE:	1/4" = 1'-0"	SK5
	JOB NO:	1720100	

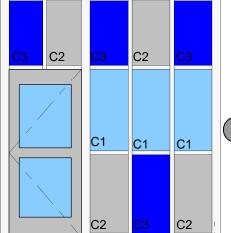


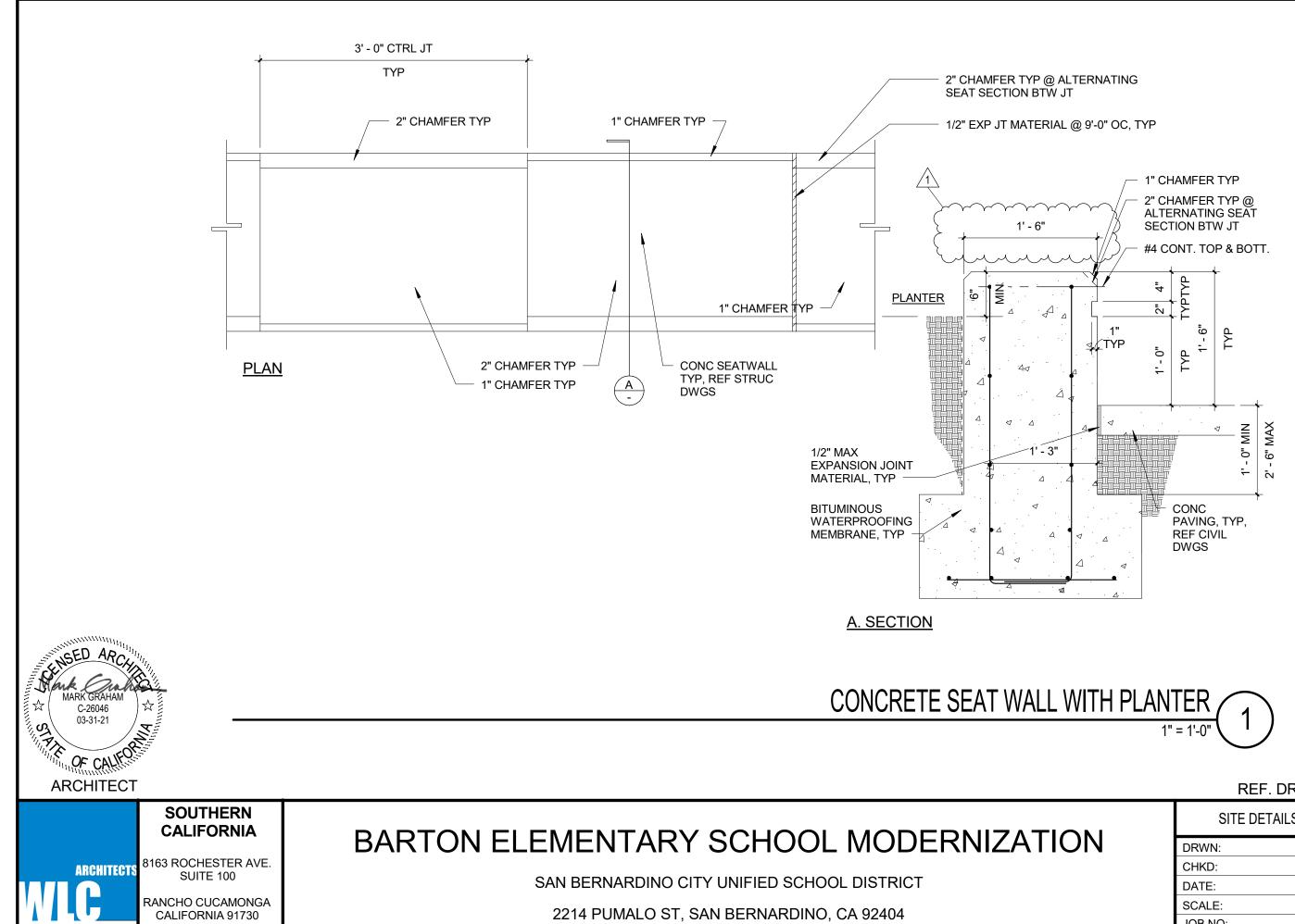
DESCRI	PTION		
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D, REF 8.1			\sim 1
OR'TO BE SEL	ĔĊŦĔĎ BŶ A	ARCHITECT	
		·······	
		AP	PL. 04-118157
		REF. DRAWING N	
			$\mathbf{O}. \mathbf{Z} = (\mathbf{A} \mathbf{O}.\mathbf{Z})$
	INTER	RIOR ELEVS AND ENLA	ARGED PLANS
	DRWN:	JY	ADD-01
	CHKD:	SJ	
	DATE:	11/14/19	
	SCALE:	1/4" = 1'-0"	SK6
	JOB NO:	1720100	



4" ^{TYP.} 3' - 8'	' 4" 3'-8"	L	
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			ດ ' ກ
		3' - 6"	
2 SK15		a. 4 • .	
BLDG A	- EAST ELE		- 1 1 1
		1/4" = 1'-0'	
	REF. DF	AF RAWING N	PPL. 04-118157 IO: 4/A7.1
7	DEMO AND NE	W EXTERIOF	RELEVATIONS
N	DRWN: CHKD:	JY SJ	ADD-01
	DATE: SCALE: JOB NO:	11/14/19 1/4" = 1'-0" 1720100	SK7







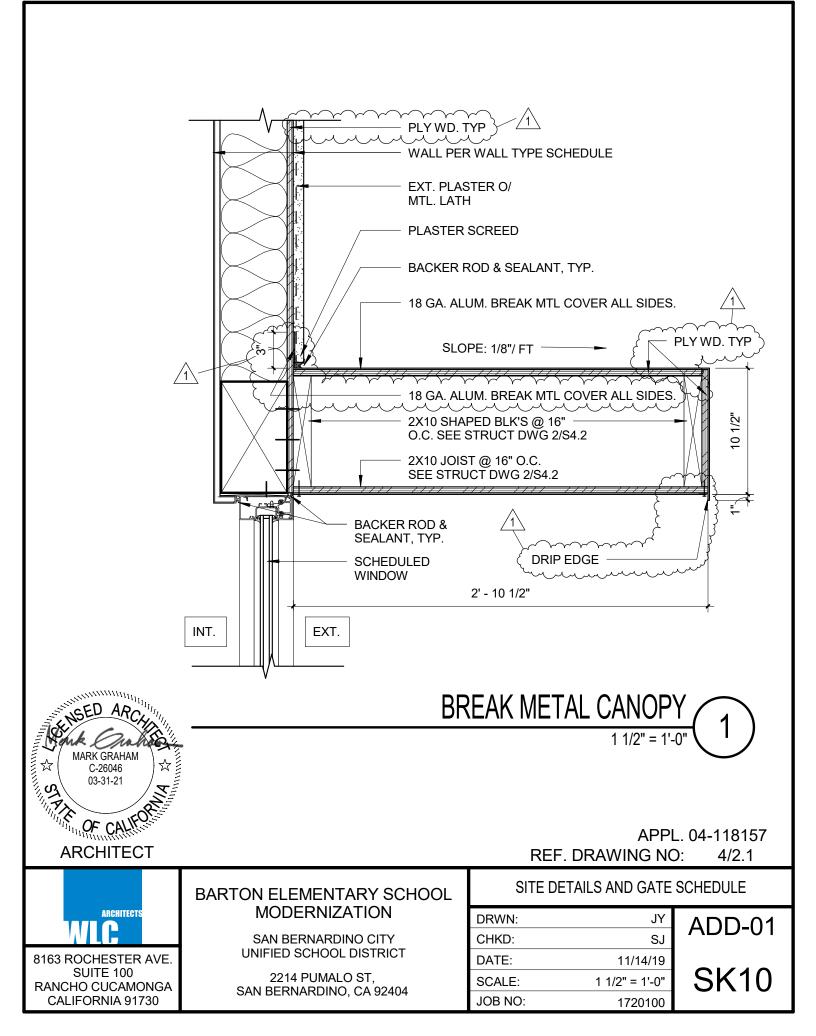
APPL. 04-118157 **REF. DRAWING NO:** 10/2.1

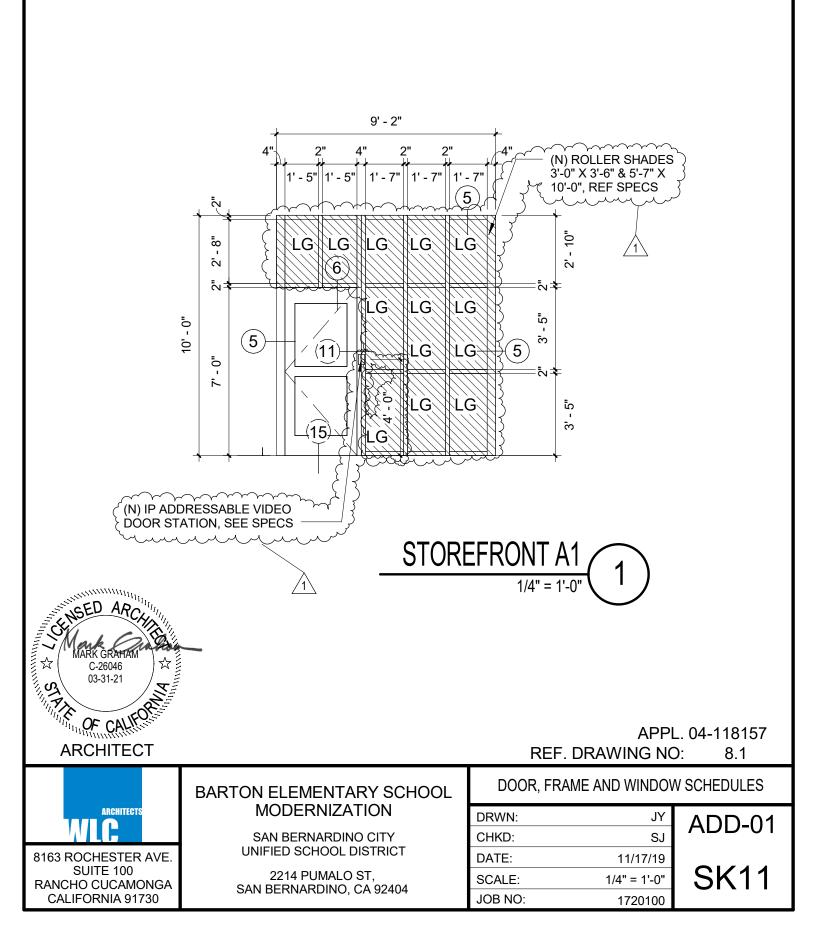
ADD-01

SK9

SITE DETAILS AND GATE SCHEDULE

DRWN:	JY
CHKD:	SJ
DATE:	11/14/19
SCALE:	1" = 1'-0"
JOB NO:	1720100





1. SYMBOL MARK: ALPHABETICAL DESIGNATION ASSIGNED TO SPECIFIC WINDOW AS SHOWN IN ELEVATION.

2. SIZE: OVERALL WIDTH AND HEIGHT OF WINDOW IN FEET AND INCHES.

3. MATERIAL: INDICATES MATERIAL FROM WHICH FRAME IS CONSTRUCTED, I.E., HM - HOLLOW METAL, WD - WOOD, AL - ALUMINUM, ETC.

4. GLASS: DESIGNATES TYPE OF GLASS TO BE INSTALLED IN WINDOW, I.E., TG - TEMPERED GLASS, LAM - LAMINATED GLASS, WGL - WIRE GLASS, INSUL - INSULATING GLASS, ETC.

5. DETAILS: REFERENCE NUMBERS FOR SECTIONS AS CONDITIONS EXIST AT THE WALL, SILL, OR HEAD OF FRAMES WITH ANY UNUSUAL DETAIL REFERENCED UNDER SEPARATE HEADING 5d.

6. WINDOW FRAME FIRE RATING: DESIGNATES ALPHABETICAL FIRE RESISTANCE RATING CLASSIFICATION LABEL REQUIRED FOR WINDOW FRAME WITH TIME PERIOD REQUIRED IN HOURS.

7. REMARKS: REFERENCES SPECIAL, UNUSUAL OR ABSTRACT CONDITIONS WHICH EXIST AND ARE NOT COVERED IN SCHEDULE ITEMS 1 THRU 6 REFER TO REMARKS REFERENCE SCHEDULE FOR NUMERICAL DESIGNATIONS.

WINDOW SCHEDULE COLUMN REFERENCE GUIDE



Innumunum Milling

BARTON ELEMENTARY SCHOOL MODERNIZATION

> SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

2214 PUMALO ST, SAN BERNARDINO, CA 92404 APPL. 04-118157 REF. DRAWING NO: 8.1

REFE DRAWING NO: 0.1

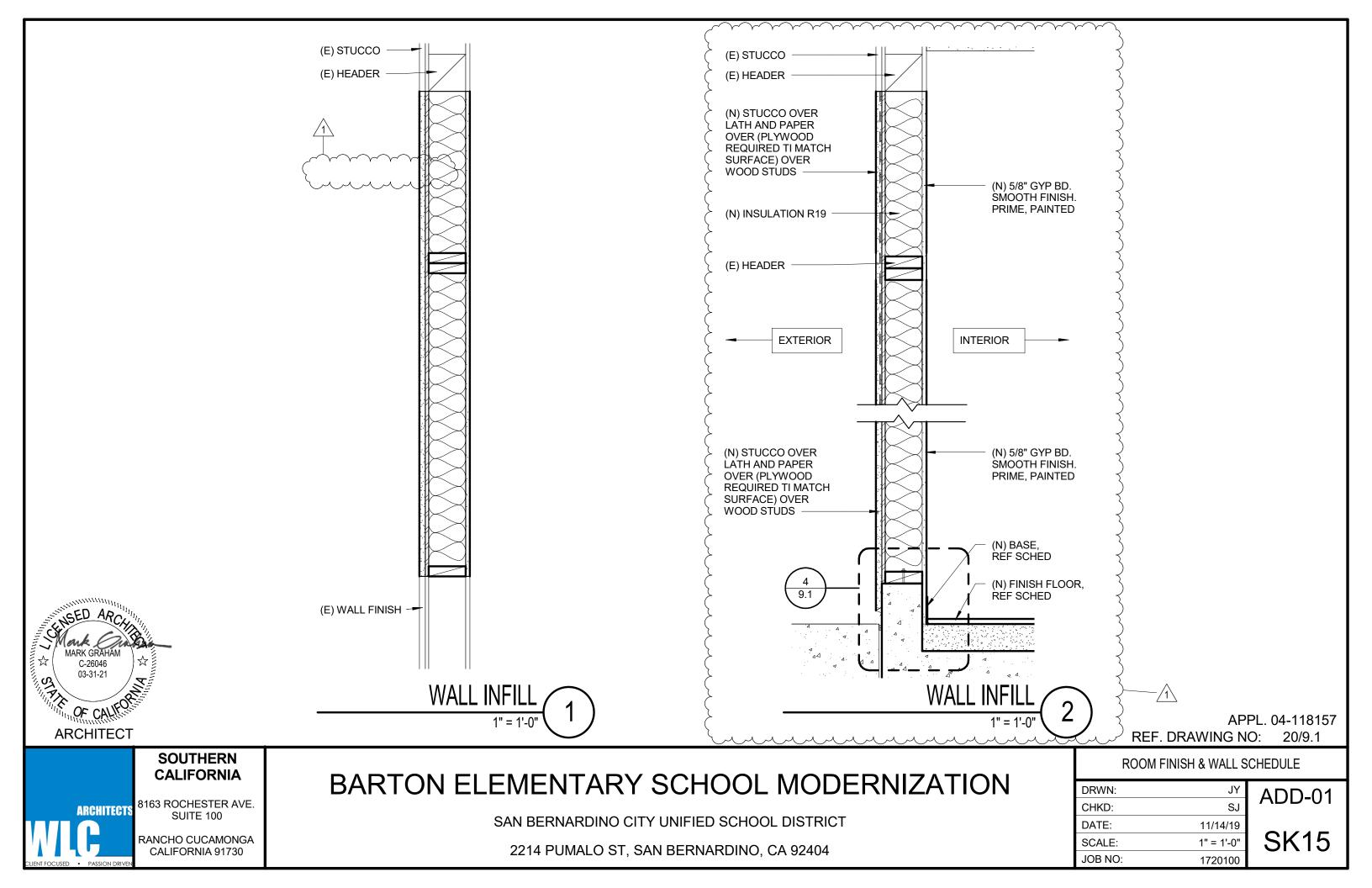
DOOR, FRAME AND WINDOW SCHEDULES

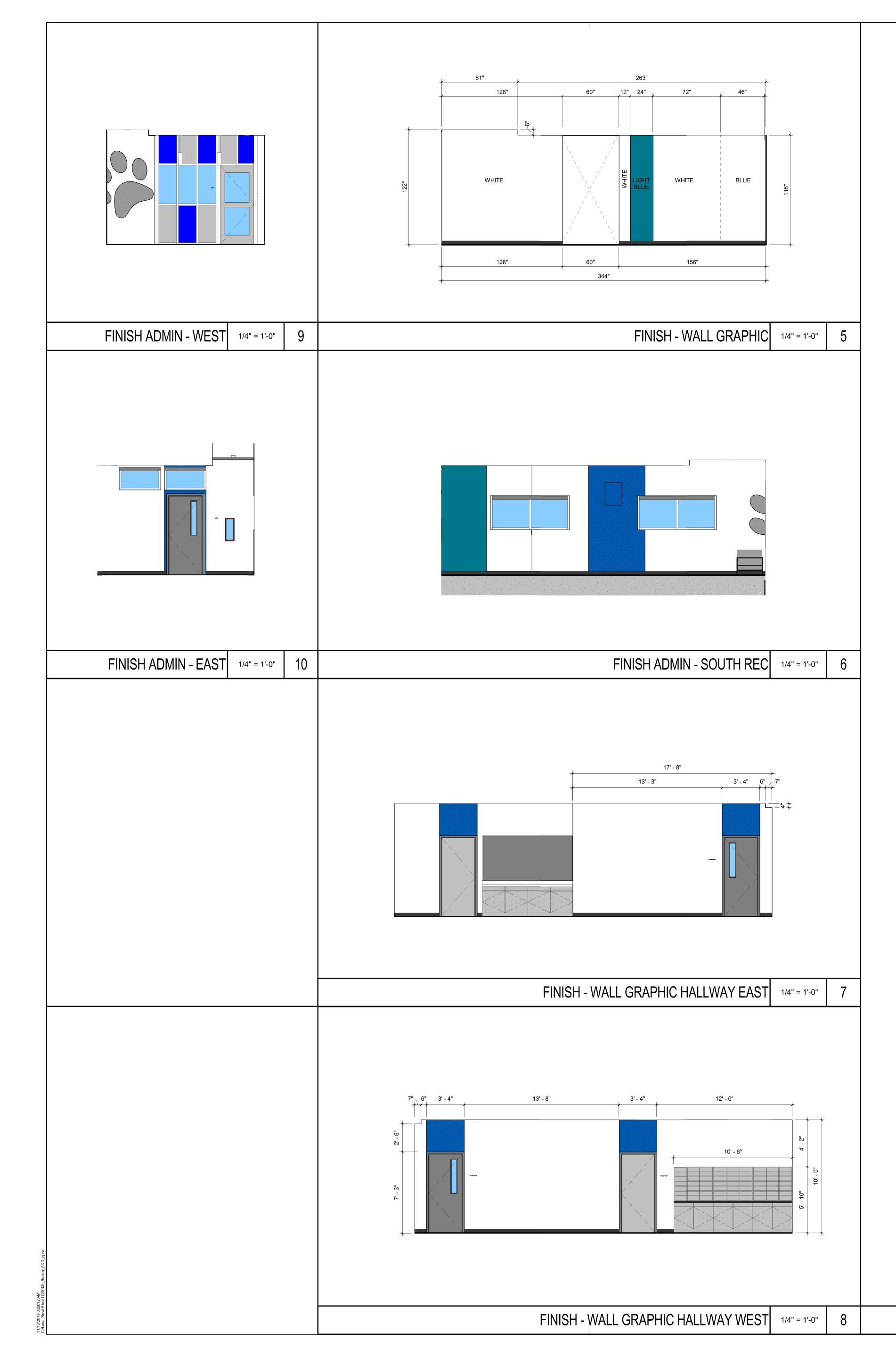
 DRWN:
 JY

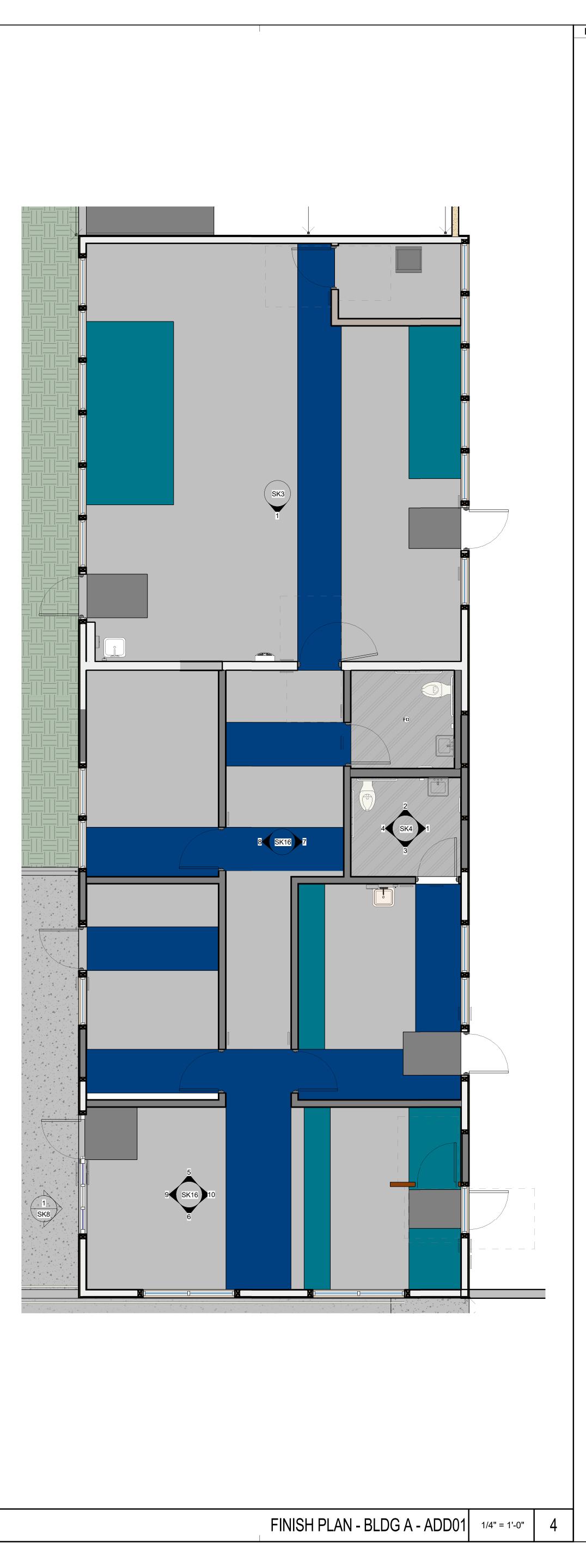
 CHKD:
 CTW

 DATE:
 11/14/19

 SCALE:
 1720100

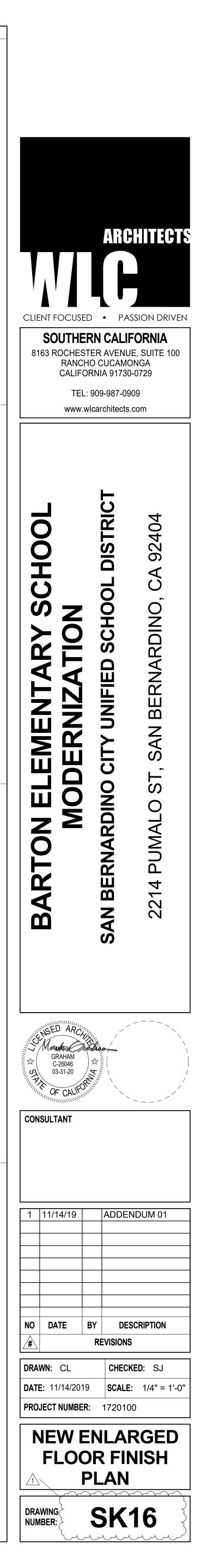






KEYNOTE

DESCRIPTION



							SCHEE	DULE DO	DOR							
	DOOR					FRAME			DETAILS			٩	(1)			
	NOMINAL SIZE			L L			٦٢							GROUP	RATING	
wt	WIDTH PER LEAF	HT	ТНК	MATERIAL	ТҮРЕ	FINISH	MATERIAL	ТҮРЕ	FINISH	JAMB	HEAD	SILL	OTHER	HDWE G	FIRE RA	REMARKS
Δ1Λ	3' - 0"	7' - 0"	1 2/4"	ΔΙ	Δ		A I	3	PC	6/-	5/-	15/-		1		1.0
A1A			1 3/4"	AL	A	PC	AL	-						•		1,3
A1B	3' - 0"	7' - 0"	1 3/4"	HM	C	P	HM	1	P	9/-	9/-	15/-		2		1
A1C	3' - 0"	7' - 0"	1 3/4"	SC	D	PL	HM	2	P	13/-	-	3E/-		3		
A2A	3' - 0"	7' - 0"	1 3/4"	HM	B	P	HM	1	P	9/-	9/-	15/-		2		1, 2
A2B	3' - 0"	7' - 0"	1 3/4"	SC	С	PL	HM	1	Р	13/-	13/-	3A/-		4		
A3A	3' - 0"	7' - 0"	1 3/4"	HM	С	Р	HM	1	Р	9/-	9/-	15/-		2		1
A3B	3' - 0"	7' - 0"	1 3/4"	SC	С	PL	HM	1	Р	13/-	13/-	3C/-		4		
A5A	3' - 0"	7' - 0"	1 3/4"	SC	В	PL	HM	1	Р	13/-	13/-	3D/-		5		
A6A	3' - 0"	7' - 0"	1 3/4"	SC	В	PL	HM	1	Р	13/-	13/-	3D/-		5		
A7A	3' - 0"	7' - 0"	1 3/4"	SC	В	PL	HM	1	Р	13/-	13/-	3A/-		4		
A9A	3' - 0"	7' - 0"	1 3/4"	SC	В	PL	HM	1	Р	13/-	13/-	3D/-		6		
A10B	3' - 0"	7' - 0"	1 3/4"	SC	В	PL	HM	1	Р	13/-	13/-	3D/-		8		
C108	3' - 0"	7' - 0"	1 3/4"	HM	B	Р	HM	1	Р	13/-	13/-	15/-		10		1,2
C111	3' - 0"	7' - 0"	1 3/4"	HM	B	Ρ	HM	1	Р	9/-	9/-	15/-		5		

\triangle DOOR SCHEDULE

MARK GRAHA

C-26046 03-31-21

OF CALLED

ARCHITECTS

ARCHITECT

☆

SOUTHERN CALIFORNIA

8163 ROCHESTER AVE. SUITE 100

RANCHO CUCAMONGA

CALIFORNIA 91730

STATISTICS C

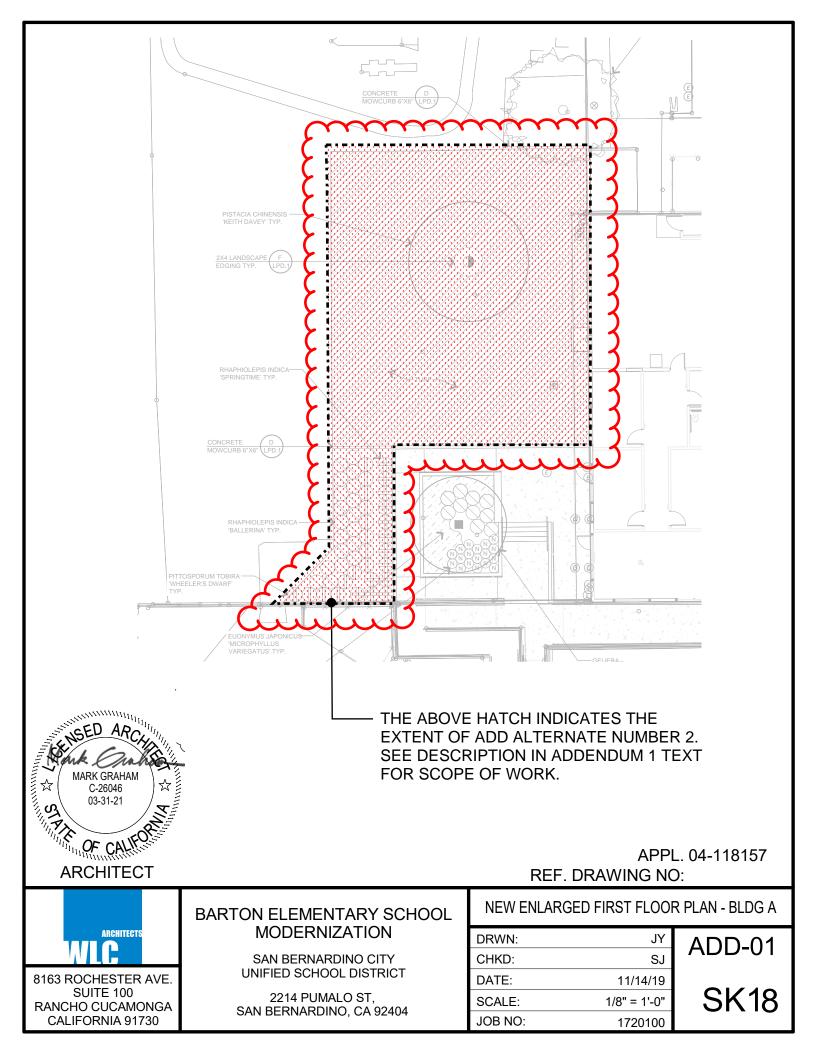
BARTON ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

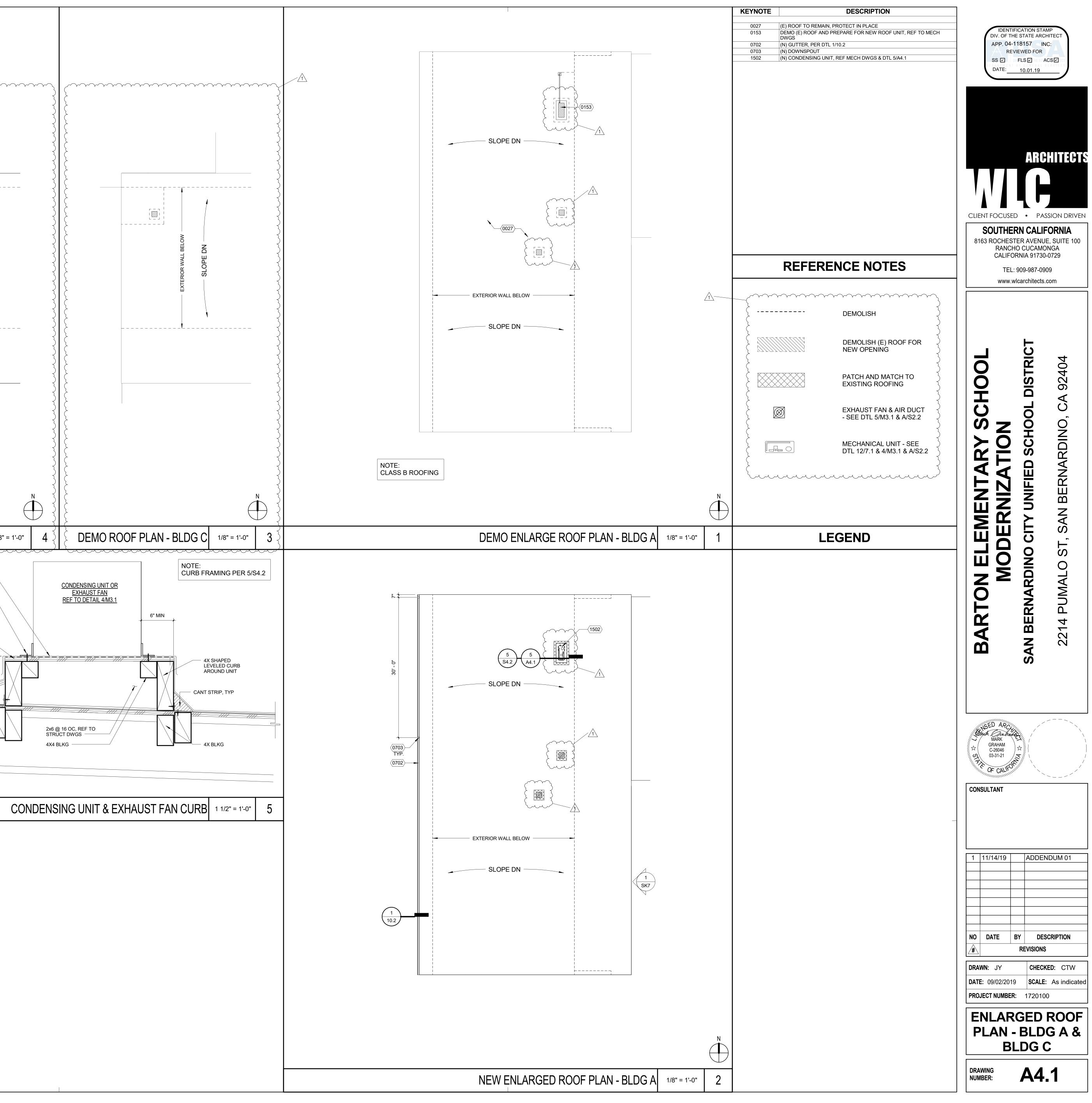
2214 PUMALO ST, SAN BERNARDINO, CA 92404

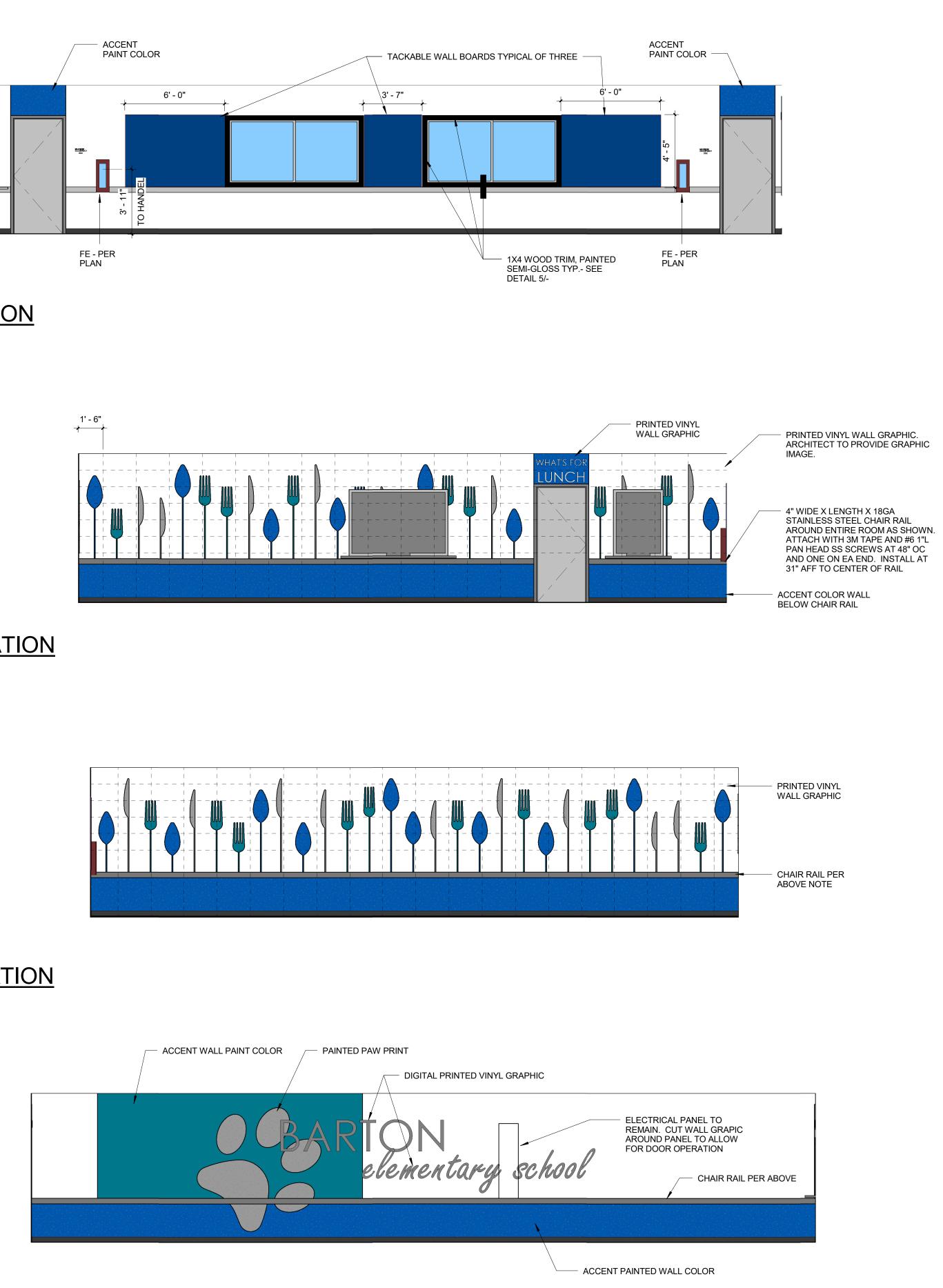
12" X 12" LOUVER – .F. OOR T	TYPE E TYPE E		PL. 04-11	18157		
DOOR, FRAME AND WINDOW SCHEDULES						
DRWN: CHKD:		JY SJ	ADD	-01		
DATE:	11/14	4/19		<u>_</u>		
SCALE: JOB NO:	1/4" = 1/20		SK	1/		
-	.720					

SEE DR.



NEW ROOF PLAN - BLDG C

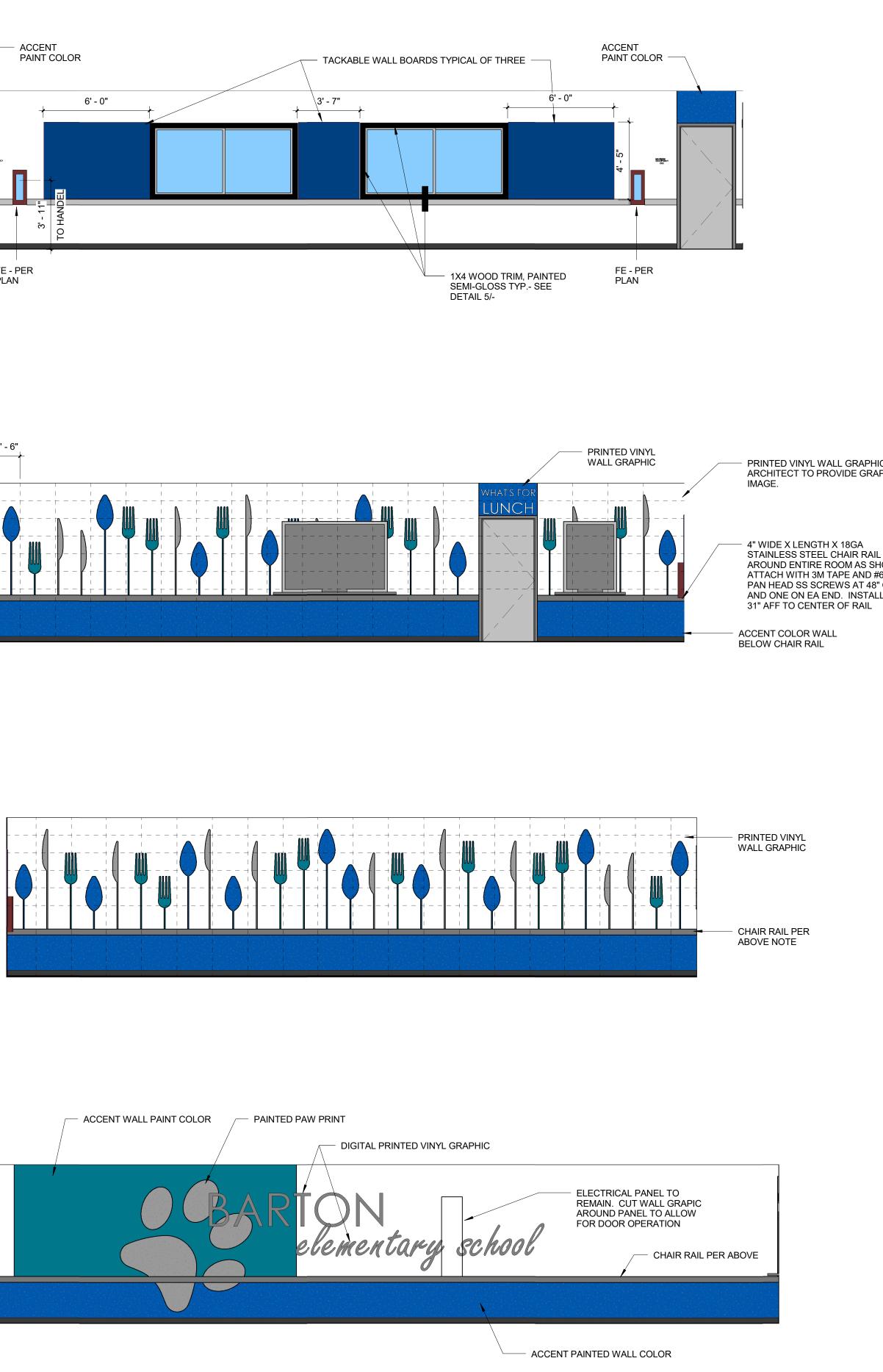




EAST ELEVATION

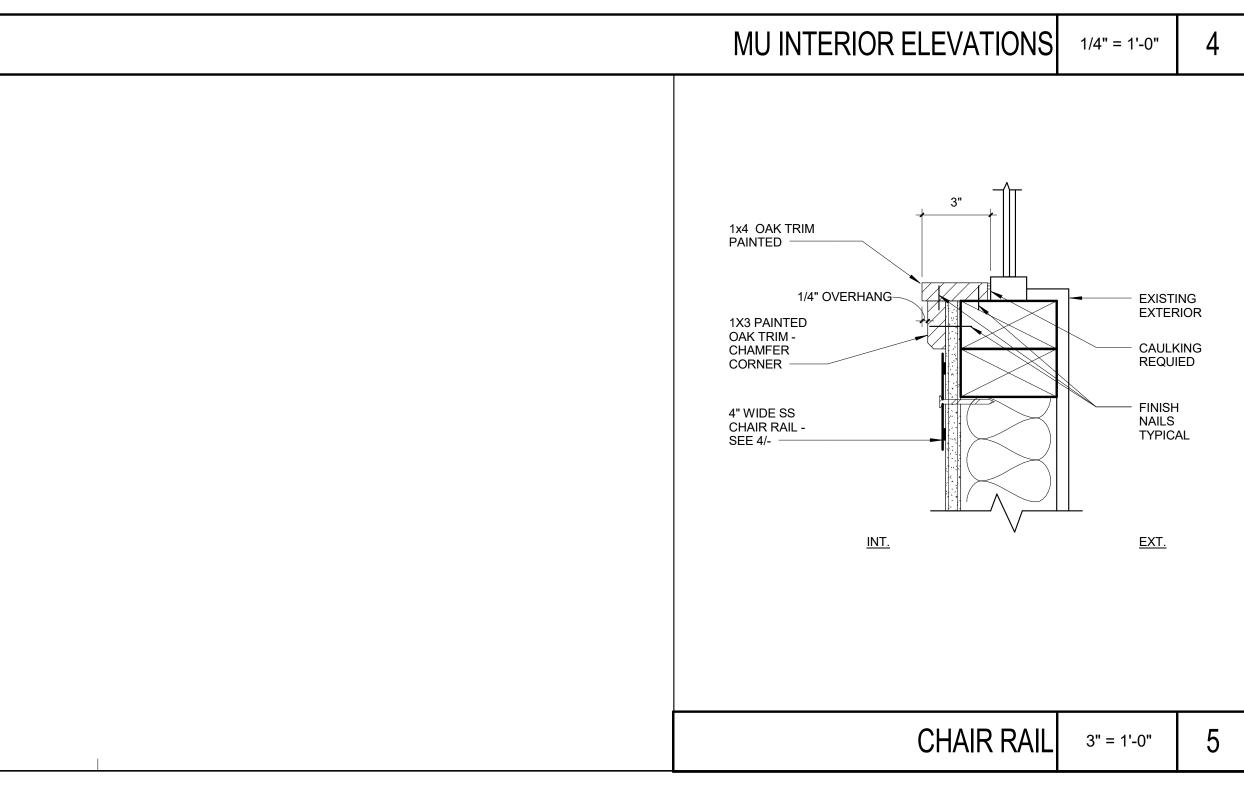


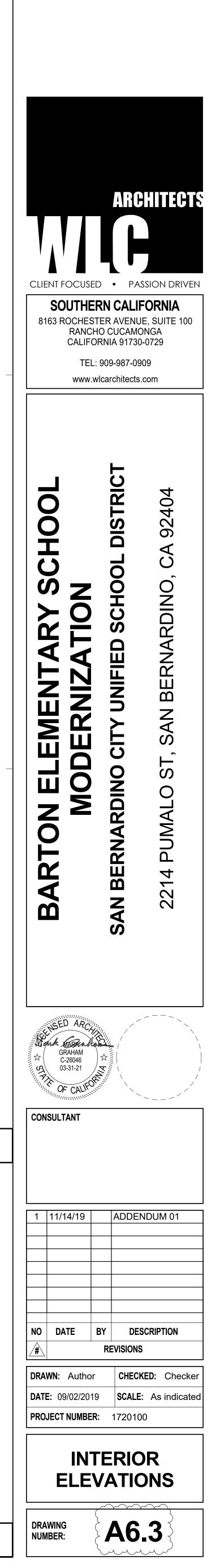
NORTH ELEVATION

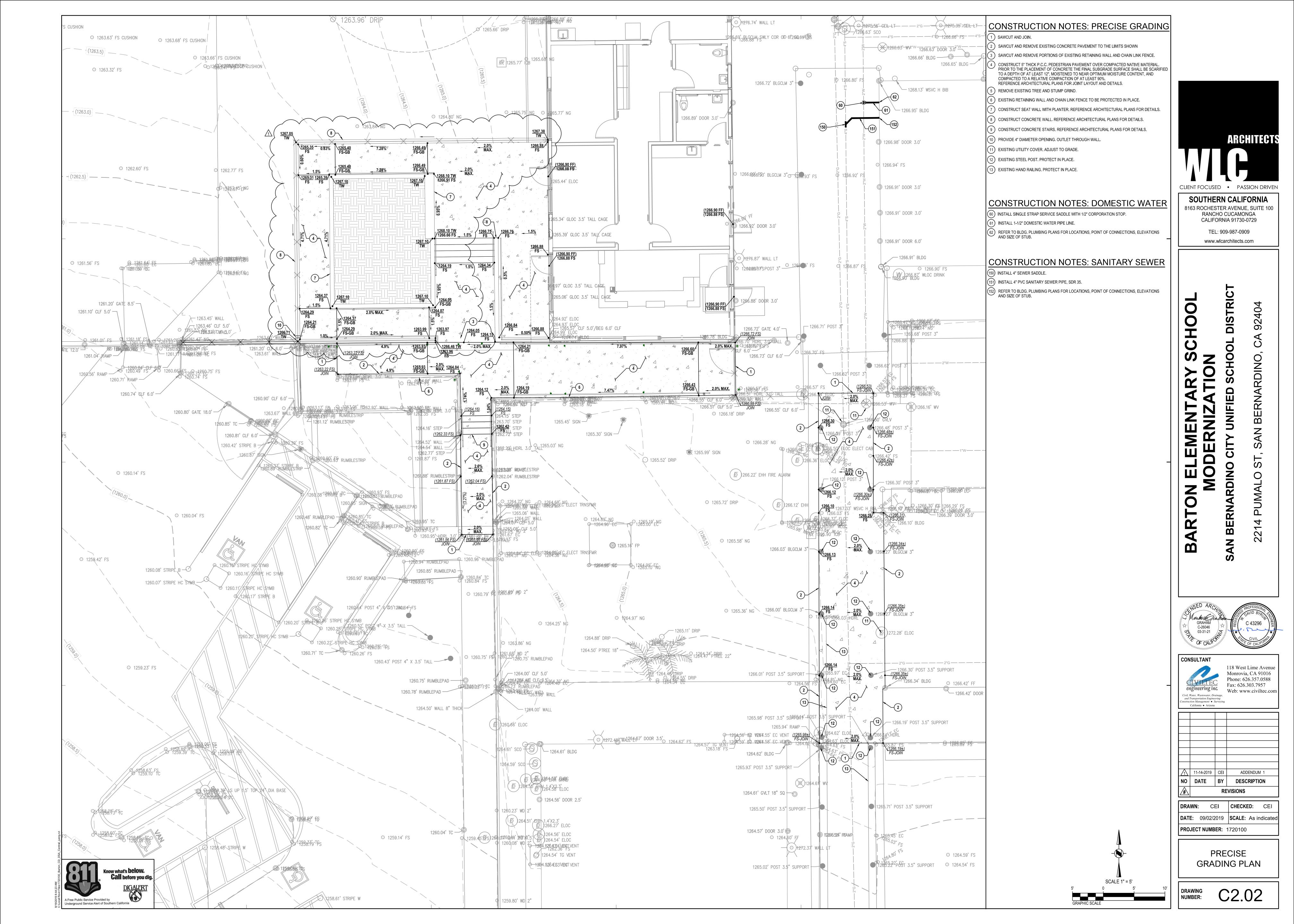


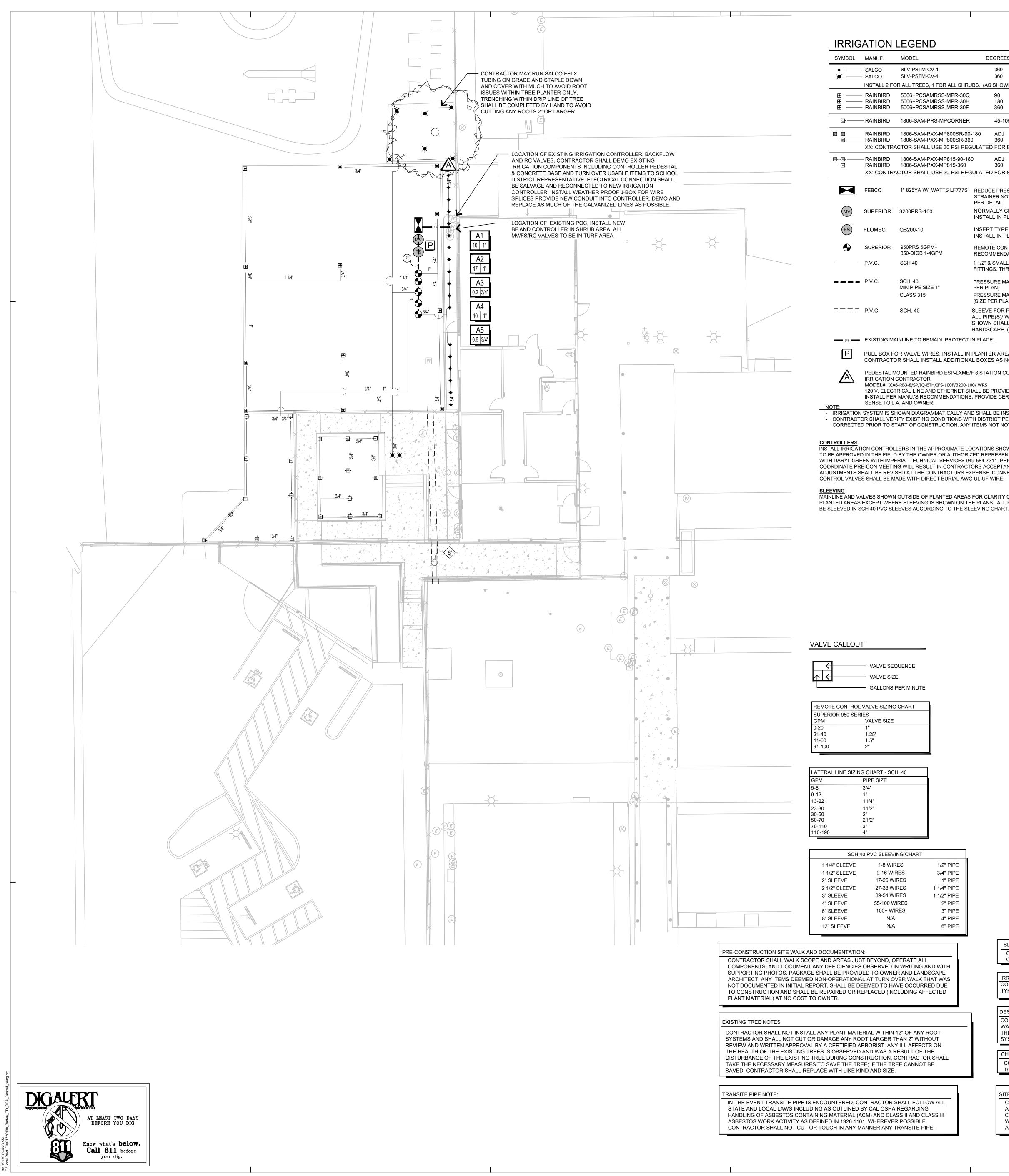
SOUTH ELEVATION











	DE	GREES	TYPE	GPM	PSI	RADIUS	DTL. REF.
SHRU	BS. (AS	360 360 SHOWN F	S. BUBBLER T. BUBBLER PER PLAN)	1 GPH 4 GPH	30 30	N/A N/A	J-K / SHEET LID.1 J-K / SHEET LID.1
30Q 30H 30F	X	90 180 360	ROTOR ROTOR ROTOR	1.40 2.96 3.60	45 45 45	30' 30' 30'	H / SHEET LID.1 H / SHEET LID.1 H / SHEET LID.1
NER		45-105	POP-UP	0.19	40	14'	D / SHEET LID.1
R-90- R-360 REG)	ADJ 360 FOR 8-1	POP-UP POP-UP 1' AND 45 PSI RE(0.23/ 0.42 0.78 GULATED F	40 40 OR 12'-14'	10' 10'	D / SHEET LID.1 D / SHEET LID.1
0-180 60 REG		ADJ 360 FOR 8-1	POP-UP POP-UP 1' AND 45 PSI REC	0.49/ 0.93 1.87 GULATED F	40 40 OR 12'-14'	15' 15'	D / SHEET LID.1 D / SHEET LID.1
77S		ER NOTE	JRE BACKFLOW P : SCREEN UNIT WI			CAGE	E / SHEET LID.1
			SED MASTER VAI NTER AREAS - TY				F / SHEET LID.1
			TRASONIC FLOW		PER CONT	ROLLER SPEC	F / SHEET LID.1
	-		OL VALVE WITH PI ONS AND BRASS I			_	G / SHEET LID.1
	= •.		NON-PRESSURE				A-B / SHEET LID.1
	PER PLA PRESSU	AN) JRE MAIN	LINE 1" THRU 1 ½" LINE 2" AND LARG			,	A-B / SHEET LID.1
	SLEEVE ALL PIPE SHOWN	E(S)/ WIR SHALL B	ESSURE MAINLINI E BUNDLES REG E SLEEVED WHEI DIA. OF PIPE OR	ARDLESS C N INSTALLE	F SYMBO	L BEING	A - SHEET LID.1
ECT II	N PLACE						
		R AREAS S AS NOT	, IN ADDITION TO ED	BOXES SH	IOWN ON	PLANS	C / SHEET LID.1
XME/F	= 8 STAT		FROLLER WITH IQ	v3.0 CLOUE	TO BE SU	PPLIED BY	I / SHEET LID.1
ET SH			O TO CONTROLLER FICATION OF INST		ERFORME	D BY CAL	
S WIT	H DISTR	ICT PERS	LLED IN PLANTER ONNEL AND NOTE D SHALL BE THE F	IN WRITIN			

NSTALL IRRIGATION CONTROLLERS IN THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS. FINAL CONTROLLER LOCATIONS TO BE APPROVED IN THE FIELD BY THE OWNER OR AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL ORDER A PRE-CON MEETING WITH DARYL GREEN WITH IMPERIAL TECHNICAL SERVICES 949-584-7311, PRIOR TO START OF CONSTRUCTION. FAILURE TO COORDINATE PRE-CON MEETING WILL RESULT IN CONTRACTORS ACCEPTANCE OF DESIGN AND ANY DISCREPANCIES OR ADJUSTMENTS SHALL BE REVISED AT THE CONTRACTORS EXPENSE. CONNECTIONS BETWEEN THE CONTROLLER AND REMOTE

MAINLINE AND VALVES SHOWN OUTSIDE OF PLANTED AREAS FOR CLARITY ONLY. INSTALL ALL IRRIGATION EQUIPMENT IN ADJACENT PLANTED AREAS EXCEPT WHERE SLEEVING IS SHOWN ON THE PLANS. ALL PIPES AND WIRES THAT MUST RUN UNDER HARDSCAPE TO

GENERAL IRRIGATION NOTES

- 1. ALL DIMENSIONS & CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON THE JOB SITE. ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECTS AND OWNERS REPRESENTATIVE ATTENTION PRIOR TO COMMENCEMENT OF WORK.
- 2. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, SLOPES, LOCATION OF WALLS, CURBS, ETC. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR LOCATION OF PIPE SLEEVES THROUGH WALLS AND FOOTINGS, UNDER ROADS, PAVING AND STRUCTURES.
- 3. THE IRRIGATION DESIGN SHOWN IN THESE DOCUMENTS ARE INTENDED TO BE GENERALLY DIAGRAMMATIC. ALL IRRIGATION EQUIPMENT I.E PIPE, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR PLAN CLARIFICATION ONLY AND SHALL BE INSTALLED WITHIN PLANTING AREAS WHEREVER POSSIBLE UNLESS WRITTEN AUTHORIZATION IS RECEIVED PRIOR TO PLACEMENT. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
- 4. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES OR FIELD/PLAN DIMENSIONS EXIST AND SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR REVISIONS NECESSARY AND ALL COSTS FOR REVISIONS NECESSARY FOR A COMPLETE INDUSTRY ACCEPTABLE WORKING SYSTEM.
- THE IRRIGATION SYSTEM DESIGN IS BASED UPON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT EACH POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE OWNER'S AUTHORIZED REPRESENTATIVE. IF THE PRESSURE DIFFERENCES ARE NOT IMMEDIATELY REPORTED PRIOR TO BEGINNING CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS TO THE IRRIGATION SYSTEM DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE AND ALL COSTS ASSOCIATED WITH SAID REVISIONS.
- 6. THE IRRIGATION CONTRACTOR MUST PERFORM AND DOCUMENT IN WRITING A PRE-JOB/ KICK-OFF MEETING WITH THE MANUFACTURER REPRESENTATIVES OF SPECIAL EQUIPMENT INCLUDING BUT NOT LIMITED TO DRIP TUBING, CONTROLLER & BOOSTER PUMP MANUFACTURER TO GO OVER SITE SPECIFIC ITEMS, LAYOUT AND RECEIVE PROPER TRAINING. IF IRRIGATION CONTRACTOR FAILS TO PERFORM REQUIRED MEETING, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS TO THE IRRIGATION SYSTEM DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE AND ALL COSTS ASSOCIATED WITH SAID REVISIONS.
- 7. MAINLINE PIPING BETWEEN THE POINT OF CONNECTION, METER AND BACKFLOW PREVENTER TO BE OF MATERIAL AS REQUIRED BY GOVERNING WATER DISTRICT.
- 8. ALL PIPES AND WIRES THAT RUN UNDER HARDSCAPE ARE TO BE SLEEVED IN SCH. 40 PVC SLEEVES ACCORDING TO PURVEYING (DISTRICT, CITY, ETC.) STANDARDS, SPECS AND AS INDICATED IN THE SLEEVING CHART UNLESS WRITTEN AUTHORIZATION IS RECEIVED PRIOR TO ELIMINATING ANY SECTIONS.
- 9. CONTRACTOR SHALL USE HEAVY BODY GRAY GLUE (WELD-ON 711 OR EQUAL) WITH PVC PRIMER (P-70 OR EQUAL) ON ALL GLUED JOINTS. NO RED HOT BLUE GLUE ALLOWED. TEFLON TAPE SHALL BE APPLIED TO ALL MALE THREADS AS REQUIRED BY MANUFACTURER. NO PIPE DOPE ALLOWED.
- 10. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR FLUSHING ALL LINES AND ADJUSTING ALL HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER-SPRAY ONTO UN-INTENDED AREAS (WALKS, & BUILDINGS). ADJUSTMENT SHALL INCLUDE BUT NOT LIMITED TO THE ADDITION OF "PRS" SCREENS, ADJUSTABLE ARC NOZZLES (HE VERSIONS ONLY), ADJUSTING PRESSURE REGULATOR AT THE VALVE TO BE NO GREATER THAN 5PSI ABOVE THE INDICATED HEAD PRESSURE AT THE FARTHEST HEAD, FOR ADDITIONAL HEADS WHERE VERTICAL ELEMENTS IN FIELD BLOCK SPRAY PATTERN AND ADDING INLINE CHECK VALVES WHERE LOW HEAD DRAINAGE OCCURS AT NO EXTRA COST TO THE OWNER.
- 11. IRRIGATION CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT/ OWNERS REPRESENTATIVE MINIMUM 72 HOURS PRIOR TO ANY REQUEST OF FIELD OBSERVATIONS. FIELD OBSERVATIONS SHALL OCCUR AT THE FOLLOWING MILESTONES: A. COVERAGE TEST ONCE ALL IRRIGATION IS INSTALLED. NO PLANTING MAY OCCUR UNTIL REVIEW HAS BEEN COMPLETED AND IRRIGATION
- SYSTEM APPROVED. B. UPON COMPLETION OF PLANTING AND IRRIGATION FOR SUBSTANTIAL COMPLETION ISSUANCE.
- C. UPON COMPLETION OF MAINTENANCE PERIOD FOR FINAL WALK AND RELEASE OF MAINTENANCE.

SLEEVING NOTE: CONTRACTOR TO SLEEVE ALL MAINLINES, LATERALS AND CONTROLLER WIRES, UNDER ANY HARDSCAPE.

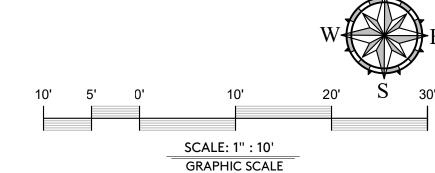
CHECK VALVE NOTE:

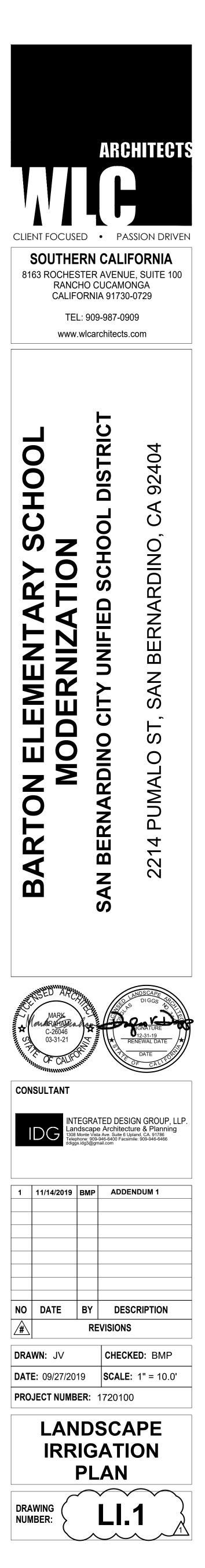
IRRIGATION MAINLINE NOTES: CONTRACTOR SHALL INSTALL IRRIGATION MAINLINE IN PLANTING AREAS TYPICAL, MAINLINE SHOWN IN HARDSCAPE AREAS FOR CLARITY.

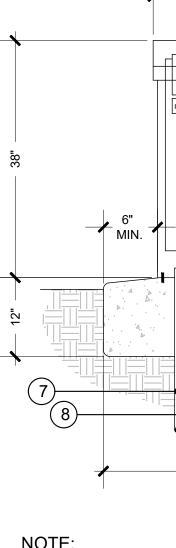
DESIGN PRESSURE NOTE: CONTRACTOR TO VERIFY PRIOR TO STARTING JOB THAT EXISTING WATER PRESSURE HAS ENOUGH PRESSURE TO RUN SYSTEM. IF THERE IS NOT ENOUGH WATER PRESSURE AT THE SITE TO RUN THE SYSTEM, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT.

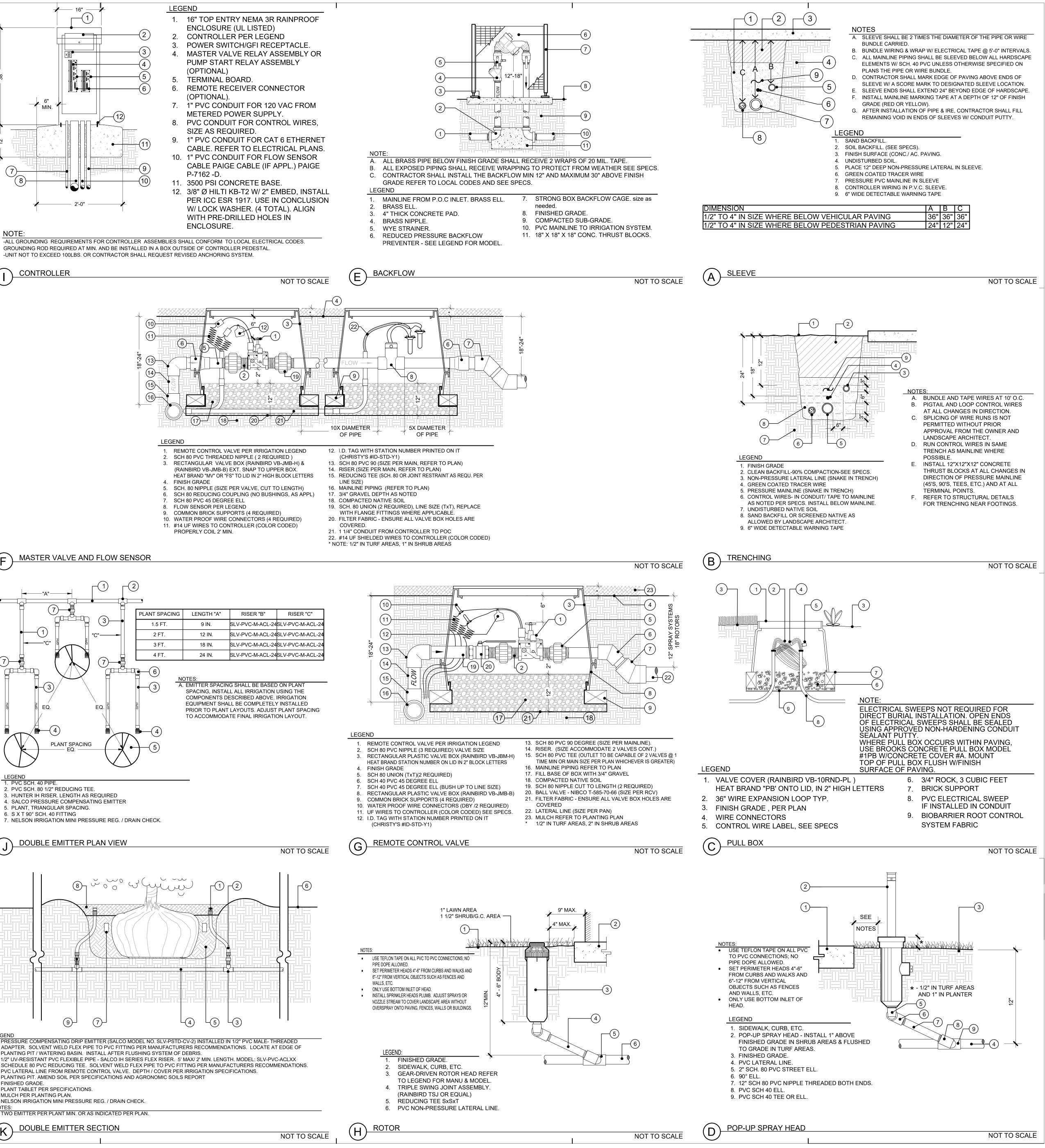
CONTRACTR SHALL INSTALL LINE SIZE CHECK VALVES AS NEEDED TO INSURE NO RUN OFF OCCURS ONSITE FROM LOW HEAD DRAINAG

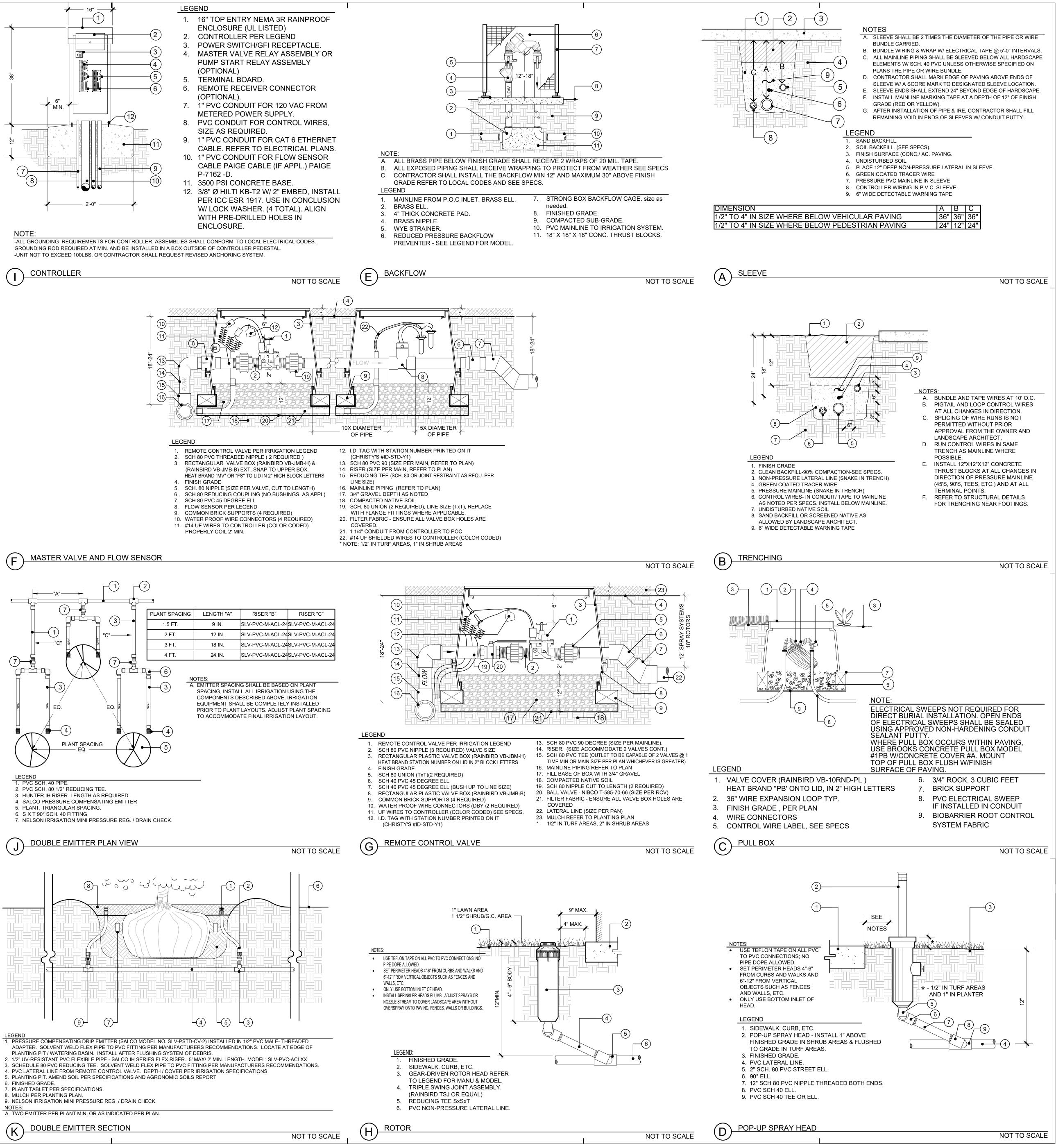
SITE VERIFICATION NOTE: CONTRACTOR SHALL VERIFY AND BECOME FAMILIAR WITH THE SITE AND THE ITEMS ASSOCIATED WITH THEIR SCOPE OF WORK INCLUDING BUT NOT LIMITED TO CONTROLLER LOCATION, MAINLINE LOCATION, OPEN STATIONS ON CONTROLLER, WIRE RUNS, ETC. CONTRACTOR SHALL PROCEED AS STATED PRIOR TO BIDDING AND AGAIN PRIOR TO START OF CONSTRUCTION.

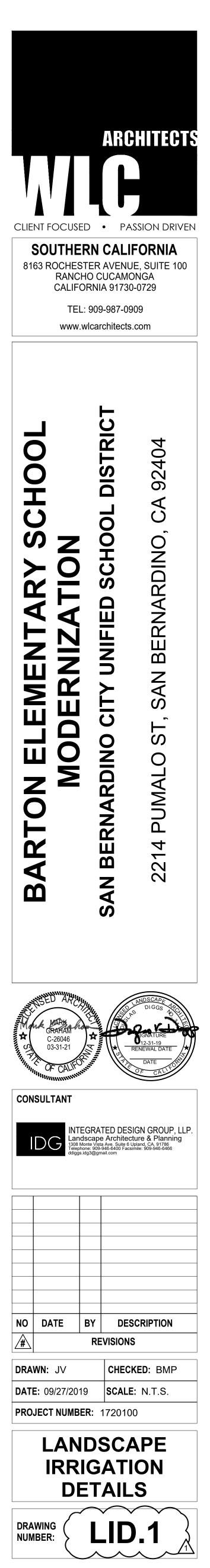


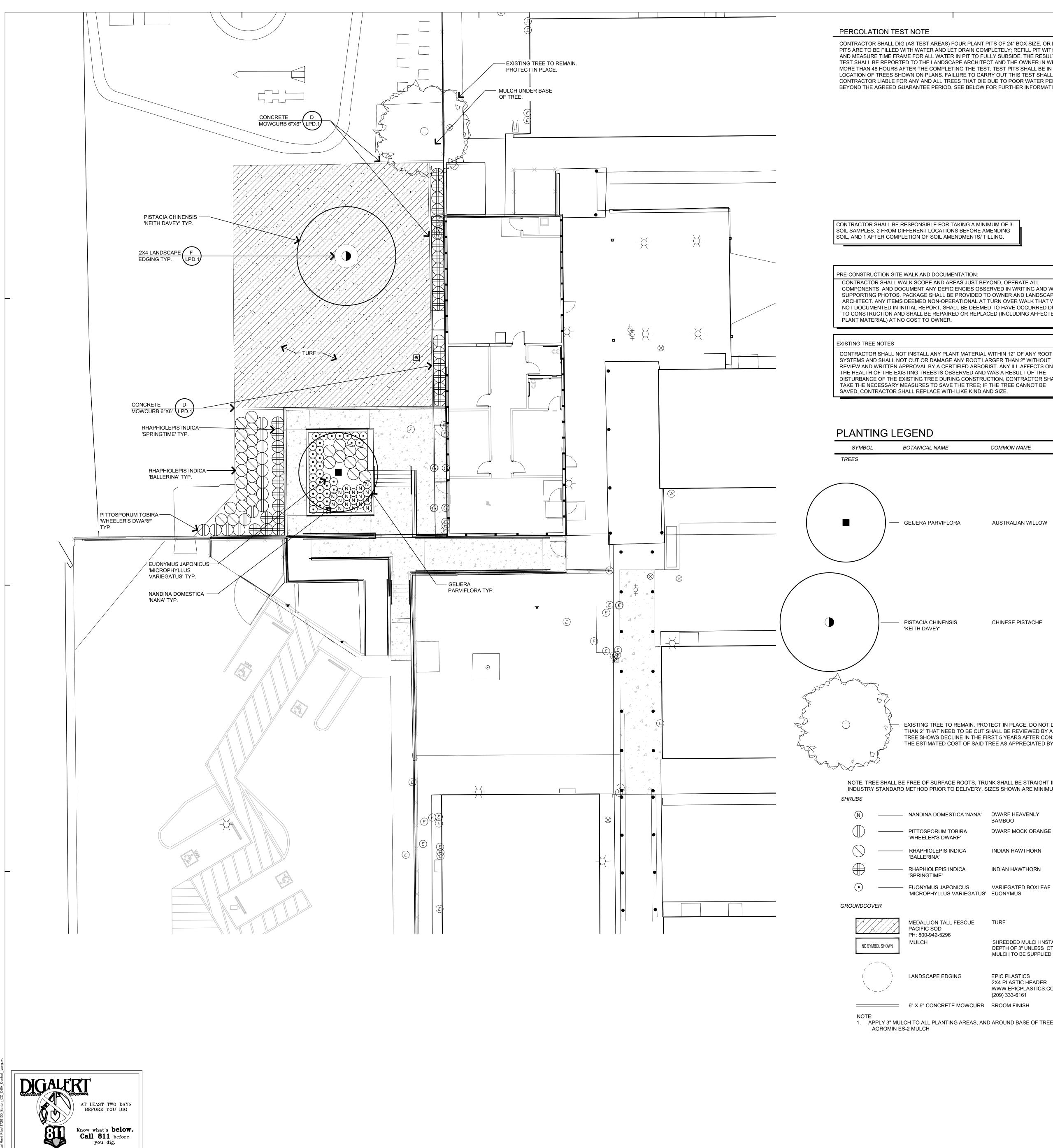












CONTRACTOR SHALL DIG (AS TEST AREAS) FOUR PLANT PITS OF 24" BOX SIZE, OR LARGER. PITS ARE TO BE FILLED WITH WATER AND LET DRAIN COMPLETELY; REFILL PIT WITH WATER AND MEASURE TIME FRAME FOR ALL WATER IN PIT TO FULLY SUBSIDE. THE RESULTS OF THIS TEST SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT AND THE OWNER IN WRITING, NO MORE THAN 48 HOURS AFTER THE COMPLETING THE TEST. TEST PITS SHALL BE IN ACTUAL LOCATION OF TREES SHOWN ON PLANS. FAILURE TO CARRY OUT THIS TEST SHALL MAKE THE CONTRACTOR LIABLE FOR ANY AND ALL TREES THAT DIE DUE TO POOR WATER PERCOLATION BEYOND THE AGREED GUARANTEE PERIOD. SEE BELOW FOR FURTHER INFORMATION.

COMPONENTS AND DOCUMENT ANY DEFICIENCIES OBSERVED IN WRITING AND WITH SUPPORTING PHOTOS. PACKAGE SHALL BE PROVIDED TO OWNER AND LANDSCAPE ARCHITECT. ANY ITEMS DEEMED NON-OPERATIONAL AT TURN OVER WALK THAT WAS NOT DOCUMENTED IN INITIAL REPORT, SHALL BE DEEMED TO HAVE OCCURRED DUE TO CONSTRUCTION AND SHALL BE REPAIRED OR REPLACED (INCLUDING AFFECTED

CONTRACTOR SHALL NOT INSTALL ANY PLANT MATERIAL WITHIN 12" OF ANY ROOT REVIEW AND WRITTEN APPROVAL BY A CERTIFIED ARBORIST. ANY ILL AFFECTS ON DISTURBANCE OF THE EXISTING TREE DURING CONSTRUCTION, CONTRACTOR SHALL

PLANTING NOTES

- 1. ALL DIMENSIONS & CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON THE JOB SITE.
- 2. ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECTS ATTENTION PRIOR TO WORK.
- 3. CONTRACTOR SHALL NOTIFY THE DISTRICT'S REPRESENTATIVE OF SITE CONDITIONS WHICH PREVENT INSTALLATION PER PLANS AND SPECS.
- 4. CONTRACTOR SHALL BE LIABLE FOR REMOVING AND RE-INSTALLING IRRIGATION EQUIPMENT, AND REPLANTING AREAS WHICH ARE NOT INSTALLED PER PLAN AND SPECIFICATIONS.
- 5. IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO PLANT MATERIALS. 6. TREES AND SHRUBS SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION
- COVERAGE TEST HAS BEEN APPROVED. (SEE SPECIFICATIONS). 7. PLACE TREES BETWEEN IRRIGATION HEADS WHEREVER POSSIBLE.
- 8. SHREDDED MULCH INSTALLATION: INSTALL SHREDDED MULCH IN ALL SHRUB & GROUNDCOVER AREAS AT A DEPTH OF 3" UNLESS OTHERWISE INDICATED ON PLANS. MATERIAL SHOULD BE SPREAD SMOOTH AND EVENLY. MULCH TO BE SUPPLIED BY AGROMIN, TELEPHONE NUMBER (800) 247-6646. MULCH TYPE: ES-2 COVER MULCH.
- 9. CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENT OF ANY DAMAGED LANDSCAPE AREAS BEYOND THE LIMIT OF WORK, THAT IS A DIRECT RESULT OF THE LANDSCAPE CONTRACTOR AND/OR HIS SUB-CONTRACTOR. REPLACEMENT ITEMS SHALL BE EXACT DUPLICATE OF THE ORIGINAL WORK ON PLANS, UNLESS OTHERWISE APPROVED BY THE DISTRICT'S AUTHORIZED REPRESENTATIVE.
- 10. CLEANUP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE DISTRICTS REPRESENTATIVE. 11. THE PLANTING PLANS ARE ONLY ACCURATE FOR PLANTING LOCATION AND QUANTITIES. THE CONTRACTOR
- SHALL VERIFY ALL QUANTITIES BY PLAN CHECK. THE PLANTING LEGEND IS ACCURATE ONLY FOR PLANT SIZE. IN THE EVENT OF A DISCREPANCY, THE CONTRACTOR SHALL ADJUST THE QUANTITIES OF THE SMALLEST PLANT SIZE SPECIFIED IN THE LEGEND TO CONFORM WITH THE QUANTITIES REQUIRED BY THE PLAN.
- 12. ALL TREES PLANTED WITHIN FIVE FEET OF CONCRETE AND/OR ASPHALT PAVING SHALL HAVE A ROOT BARRIER INSTALLED WITH THE TREE. INSTALL PER MFG. SPECIFICATIONS. ROOT BARRIER BY DEEPROOT OR EQUAL.
- 13. THE CONTRACTOR SHALL TAKE SOIL SAMPLES FROM A DEPTH OF (12") TWELVE INCHES MINIMUM FROM THREE LOCATIONS AROUND THE SITE.
- 14. TREES SHALL BE STRAIGHT AND OF UNIFORM SHAPE WITHOUT DAMAGED, CROOKED OR MULTIPLE LEADERS. TREES WITH ABRASIONS OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER WHICH HAVE NOT BEEN PRUNED AND PAINTED OR COMPLETELY CALLOUSED, WILL NOT BE ACCEPTED. BOX SIZE STOCK SHALL HAVE GROWN IN SPECIFIED CONTAINER SIZE FOR AT LEAST (1) YEAR.

AME	COMMON NAME	SIZE	SPACING	REMARKS	QTY.	WUCOLS ZONE 4	DETAIL
RVIFLORA	AUSTRALIAN WILLOW	36" BOX	PER PLAN	STANDARDS - MATCHED	+/- 1	MEDIUM	C-E / LPD.1
					. / 4		
INENSIS Y'	CHINESE PISTACHE	36" BOX	PER PLAN	STANDARDS - MATCHED	+/- 1	MEDIUM	C, E / LPD.1

EXISTING TREE TO REMAIN. PROTECT IN PLACE. DO NOT DAMAGE ROOT SYSTEMS DURING CONSTRUCTION. ANY ROOTS LARGER THAN 2" THAT NEED TO BE CUT SHALL BE REVIEWED BY A CERTIFIED ARBORIST PRIOR AND POST CUTTING. IN THE EVENT THE TREE SHOWS DECLINE IN THE FIRST 5 YEARS AFTER CONSTRUCTION, CONTRACTOR SHALL PROVIDE CREDIT TO THE OWNER FOR

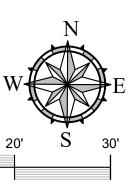
THE ESTIMATED COST OF SAID TREE AS APPRECIATED BY A CERTIFIED ARBORIST.

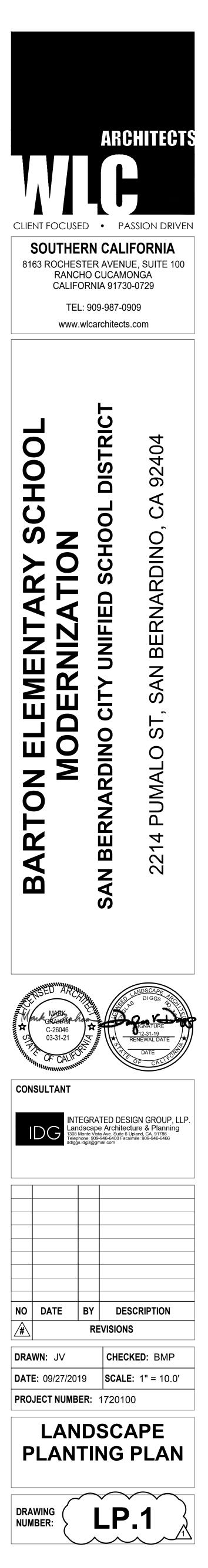
NOTE: TREE SHALL BE FREE OF SURFACE ROOTS, TRUNK SHALL BE STRAIGHT IN NATURE AND BALANCED AND PALMS SKINNED IN INDUSTRY STANDARD METHOD PRIOR TO DELIVERY. SIZES SHOWN ARE MINIMUM SIZES MEASURED AS SET FORTH IN ANSI Z60.

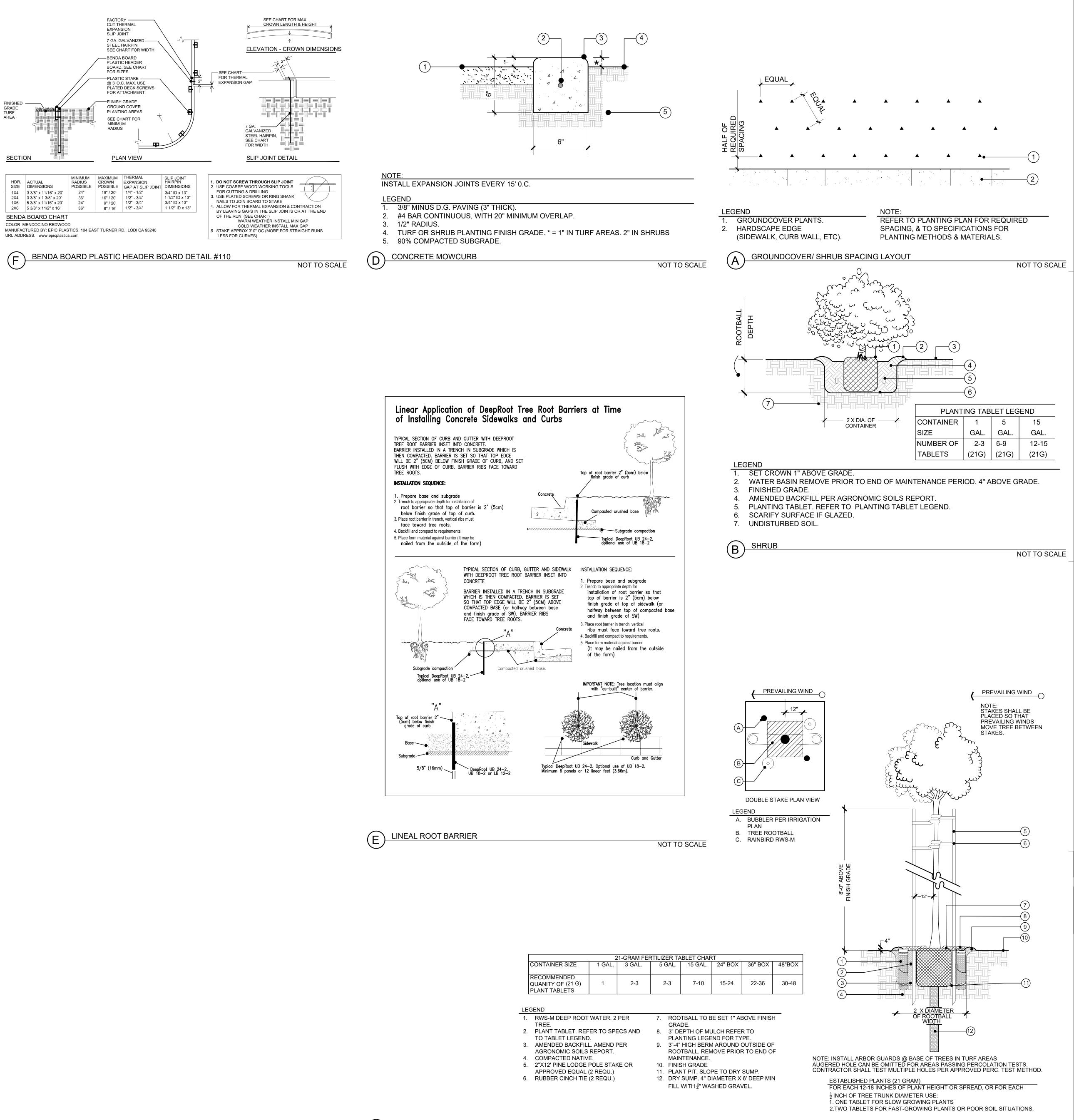
MESTICA 'NANA'	DWARF HEAVENLY BAMBOO	5 GALLON	24" O.C.	TRIANGULAR SPACING	+/- 18	LOW	B / LPD.1					
JM TOBIRA DWARF'	DWARF MOCK ORANGE	5 GALLON	36" O.C.	TRIANGULAR SPACING	+/- 14	MEDIUM	B / LPD.1					
PIS INDICA	INDIAN HAWTHORN	5 GALLON	36" O.C.	TRIANGULAR SPACING	+/- 29	MEDIUM	B / LPD.1					
PIS INDICA	INDIAN HAWTHORN	5 GALLON	36" O.C.	TRIANGULAR SPACING	+/- 31	MEDIUM	B / LPD.1					
JAPONICUS LUS VARIEGATUS'	VARIEGATED BOXLEAF EUONYMUS	1 GALLON	12" O.C.	TRIANGULAR SPACING	+/- 34		B / LPD.1					
TALL FESCUE) 5296	TURF	SOD			+/- 3,062 S	.F.						
200	SHREDDED MULCH INSTALLATION: INSTALL SHREDDED MULCH IN ALL SHRUB & GROUNDCOVER AREAS AT A DEPTH OF 3" UNLESS OTHERWISE INDICATED ON PLANS. MATERIAL SHOULD BE SPREAD SMOOTH AND EVENLY. MULCH TO BE SUPPLIED BY AGROMIN, TELEPHONE NUMBER (800) 247-6646. MULCH TYPE: ES-2 COVER MULCH.											
EDGING	EPIC PLASTICS 2X4 PLASTIC HEADER WWW.EPICPLASTICS.CC (209) 333-6161	DM			+/- 20 LF		F / LPD.1					
RETE MOWCURB	BROOM FINISH				+/- 89 LF		D / LPD.1					

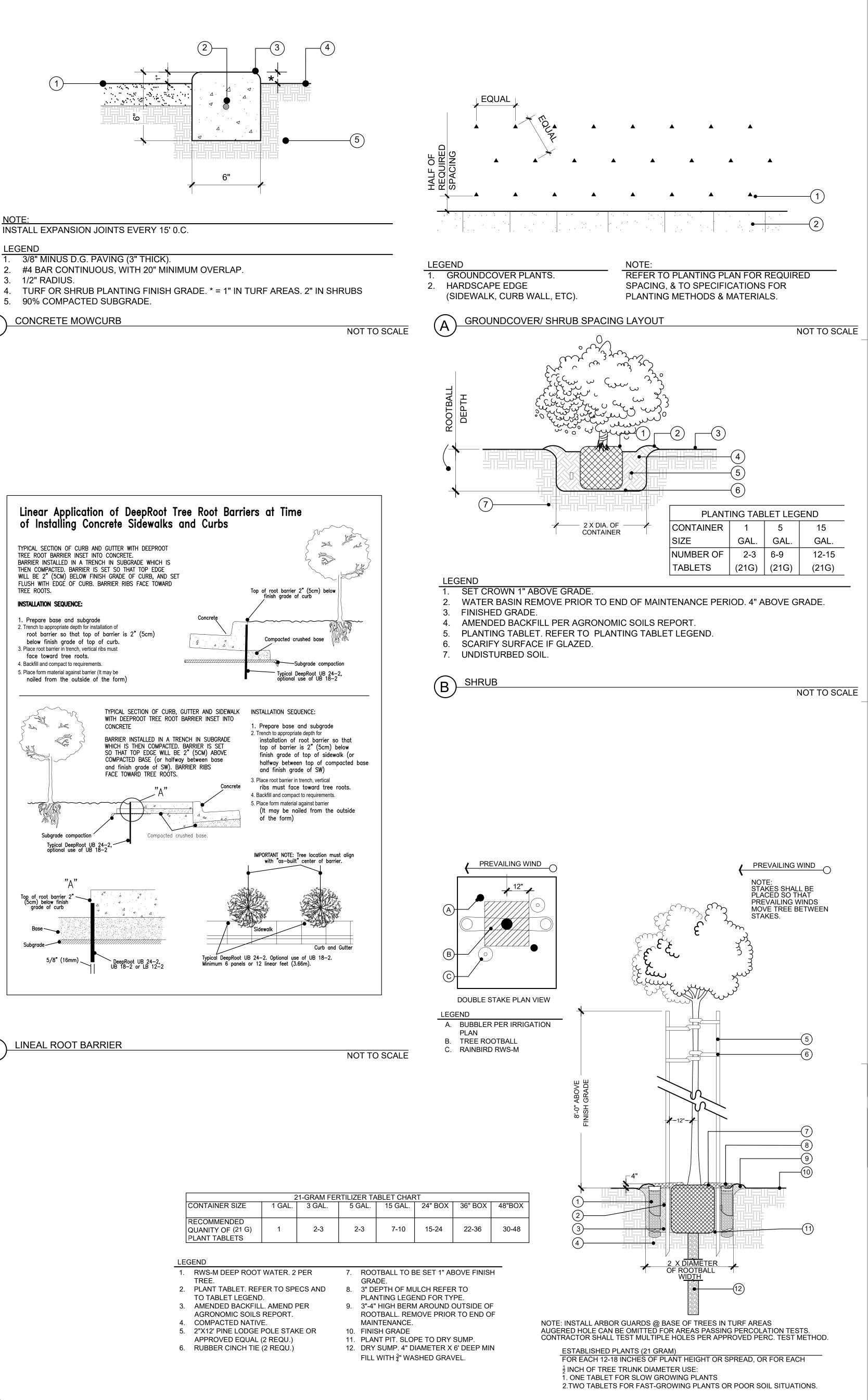
1. APPLY 3" MULCH TO ALL PLANTING AREAS, AND AROUND BASE OF TREES WITHIN TURF AREA.

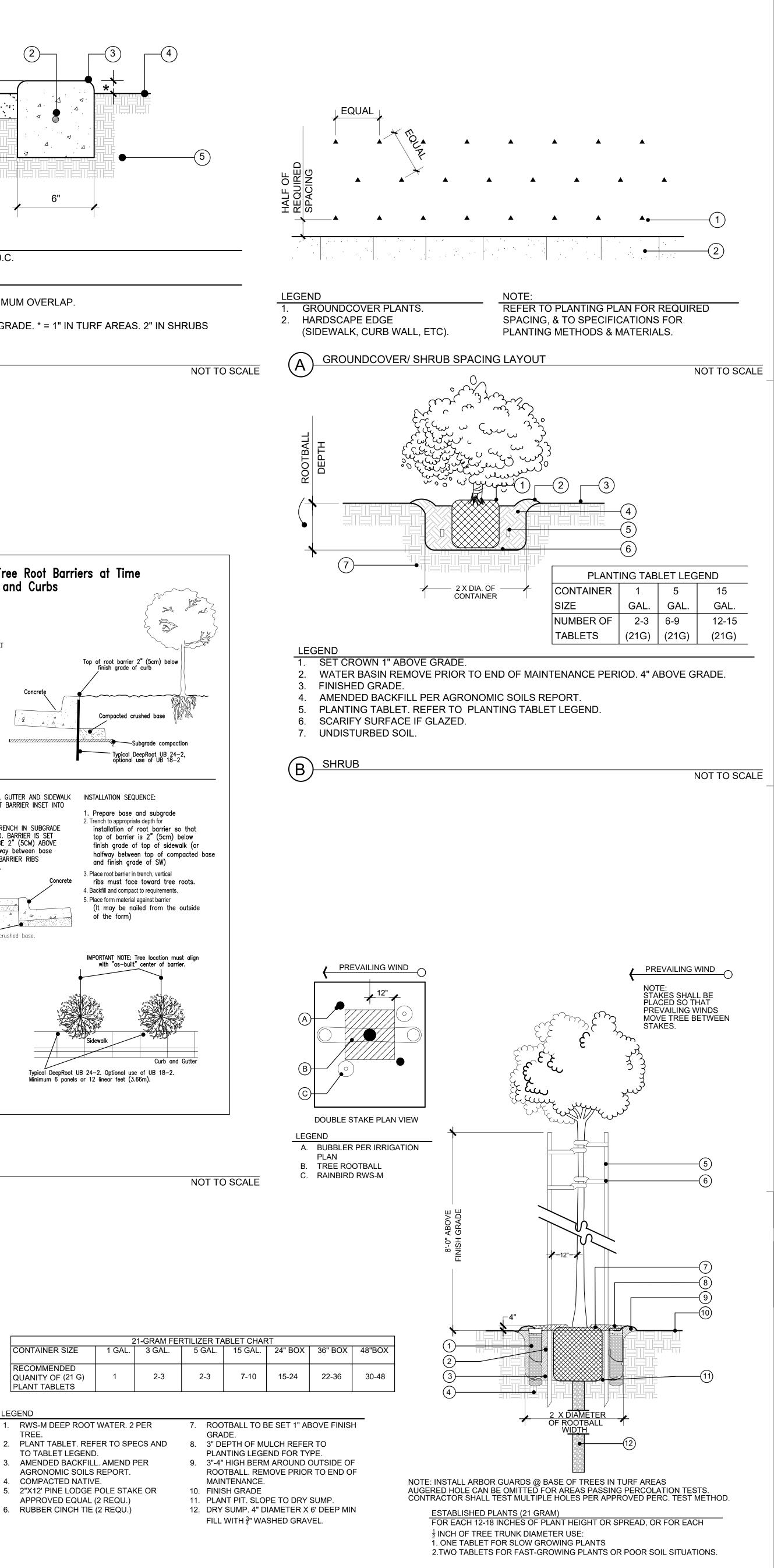
10' 5' 0' SCALE: 1" : 10' GRAPHIC SCALE

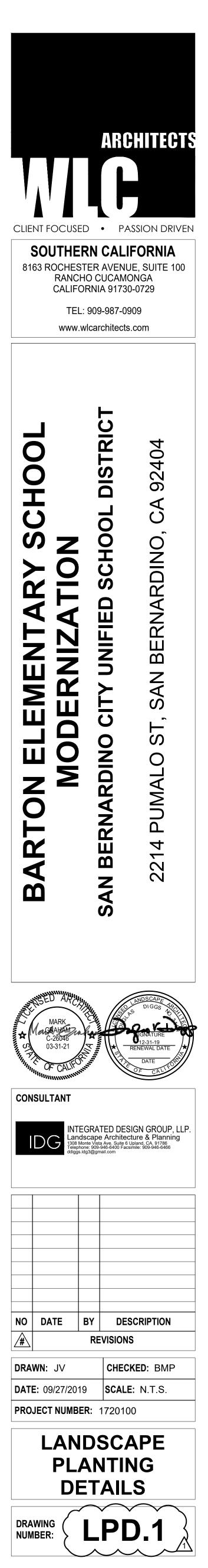








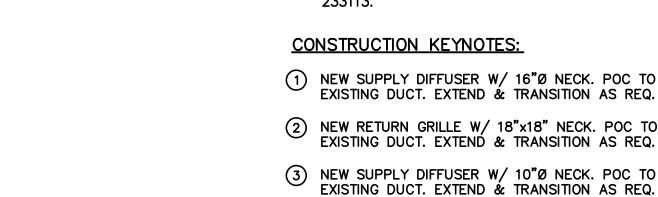






MECHANICAL NEW FLOOR PLAN - BUILDING A

MECHANIÇAL NEW FLOOR PLAN - M.U. ROOM,



- EXISTING DUCT. EXTEND & TRANSITION AS REQ.
- (4) NEW RETURN GRILLE W/ 14"Ø NECK. POC TO EXISTING DUCT. EXTEND & TRANSITION AS REQ.
- EXISTING DUCT. EXTEND & TRANSITION AS REQ. (2) NEW RETURN GRILLE W/ 18"x18" NECK. POC TO EXISTING DUCT. EXTEND & TRANSITION AS REQ.
- (3) NEW SUPPLY DIFFUSER W/ 10"Ø NECK. POC TO
- THE AREA OF NEW CONSTRUCTION AND NOTIFY THE DISTRICT OF ANY DISCREPANCIES. 6. ALL EXISTING DUCTWORK TO BE REUSED SHALL BE THOROUGHLY CLEANED. REFER TO SPECIFICATION 233113.
- DISTRICT AND PROVIDE PRICE TO ENSURE PROPER OPERATION PRIOR TO COMPLETION OF WORK. 5. BEFORE COMMENCEMENT OF WORK, THE MECHANICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND ELECTRICAL SERVICES IN
- MALFUNCTIONING, CONTRACTOR SHALL NOTIFY THE
- EXISTING EQUIPMENT, DUCTWORK, ASSOCIATED ITEMS NOT BE PERFORMING SATISFACTORILY OR
- ROOM ELEVATIONS. 4. CONTRACTOR SHALL VERIFY THE CONDITION OF CONTROLS, AND T-STATS. SHOULD ANY OF THESE
- ARCHITECTURAL REFLECTIVE CEILING PLAN, ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL
- DIFFUSERS, REGISTERS AND GRILLES WITH THE
- 3. COORDINATE THE LOCATIONS OF ALL CEILING

- AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

- PRIOR TO ANY FABRICATION OR INSTALLATION.

- PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS

- 2. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE WORK OF ALL OTHER TRADES

INDICATED PRIOR TO FABRICATION. PROVIDE ALL

TRANSITIONS AS REQUIRED TO CONNECT NEW

1. FIELD VERIFY ALL EXISTING DUCT DIMENSIONS



CONSTRUCTION NOTES:

DUCTWORK TO EXISTING.

DEMOLITION NOTES:

- 1. DISTRICT SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS TO BE REMOVED. CONTRACTOR SHALL VERIFY ALL SUCH ITEMS WITH DISTRICT PRIOR TO REMOVAL. ALL ITEMS NOT REFUSED BY DISTRICT SHALL BE REMOVED INTACT AND FULLY FUNCTIONAL BY CONTRACTOR AND RETURNED TO DISTRICT. ALL ITEMS REFUSED BY DISTRICT SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
- POWER FROM MECHANICAL EQUIPMENT TO BE
- REMOVED, RELOCATED, RE-USED AND/OR

- 2. ELECTRICAL CONTRACTOR SHALL DISCONNECT

3. PLUMBING CONTRACTOR SHALL DISCONNECT

EXISTING GAS PIPES FROM MECHANICAL

EQUIPMENT TO BE REMOVED AND/OR REPLACED -

COORDINATE WITH OTHER TRADES AS NECESSARY.

REQUIRED TO ACCOMMODATE NEW MECHANICAL

OPENINGS IN WALLS, ROOF, ETC. THAT WILL NOT

6. PRIOR TO ANY WORK BEING DONE CONTRACTOR

SHALL MAKE A CAREFUL EVALUATION OF THE

7. CONTRACTOR SHALL COORDINATE ALL DEMOLITION

WORK WITH THE WORK OF ALL OTHER TRADES.

8. EXISTING ABANDONED OR DEFUNCT PIPING, FLUES,

AND REPAIR WALLS/ROOF AS NECESSARY.

9. ALL DUCTWORK AND DIFFUSER INDICATED AS

DASHED LINES ARE EXISTING TO REMAIN.

(1) DEMO AND REMOVE EXISTING CEILING DIFFUSER.

(2) DEMO AND REMOVE EXISTING RETURN REGISTER.

DUCT, VENTS, & ETC. SHALL BE REMOVED. PATCH

NORTH

SCALE

1/8"=1'-0"

EXISTING CONDITIONS AND VERIFY ALL METHODS

OF REMOVAL AND INSTALLATION OF MECHANICAL

BE REUSED FOR FUTURE WORK. COORDINATE AS

GENERAL CONTRACTOR SHALL MODIFY OPENING AS

4. CONTRACTOR SHALL RE-USE EXISTING OPENINGS

IN WALLS AND ROOF WHEREVER POSSIBLE.

5. GENERAL CONTRACTOR SHALL PATCH ALL

NECESSARY WITH OTHER TRADES.

REPLACED AS REQUIRED.

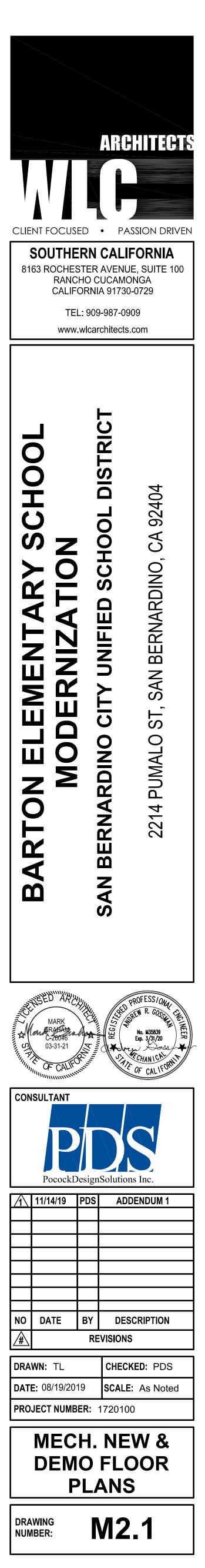
AS REQUIRED.

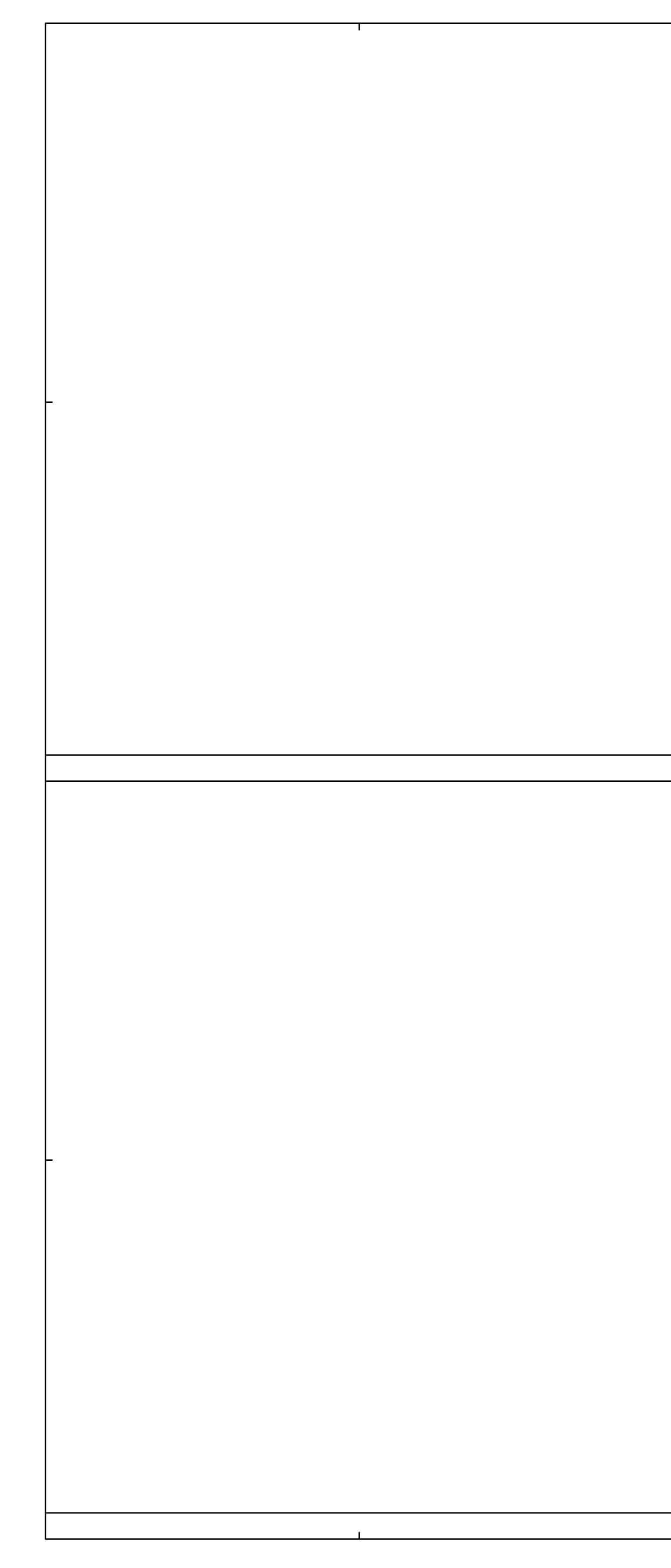
DEVICE.

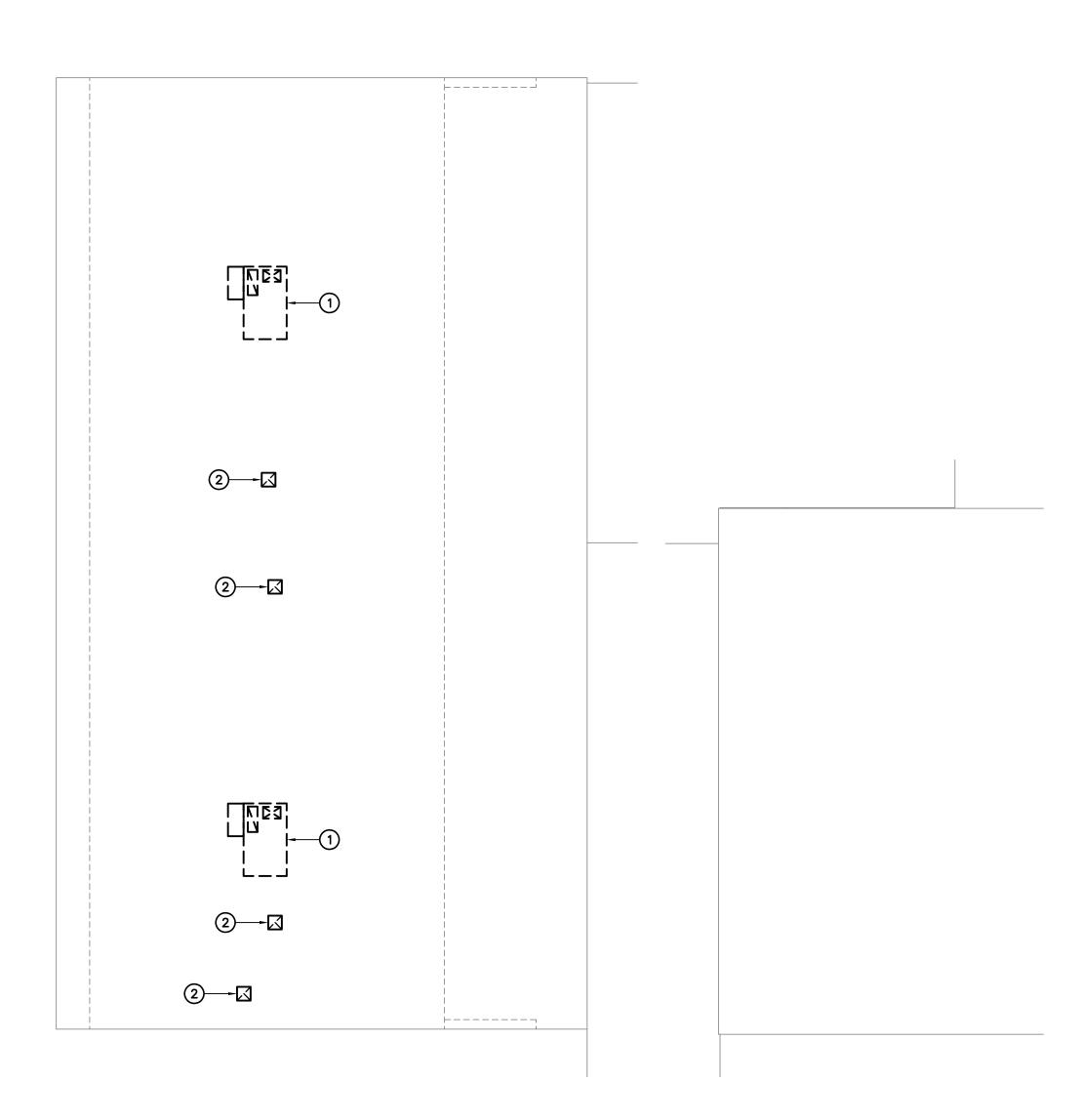
EQUIPMENT.

DEMOLITION KEY NOTES:

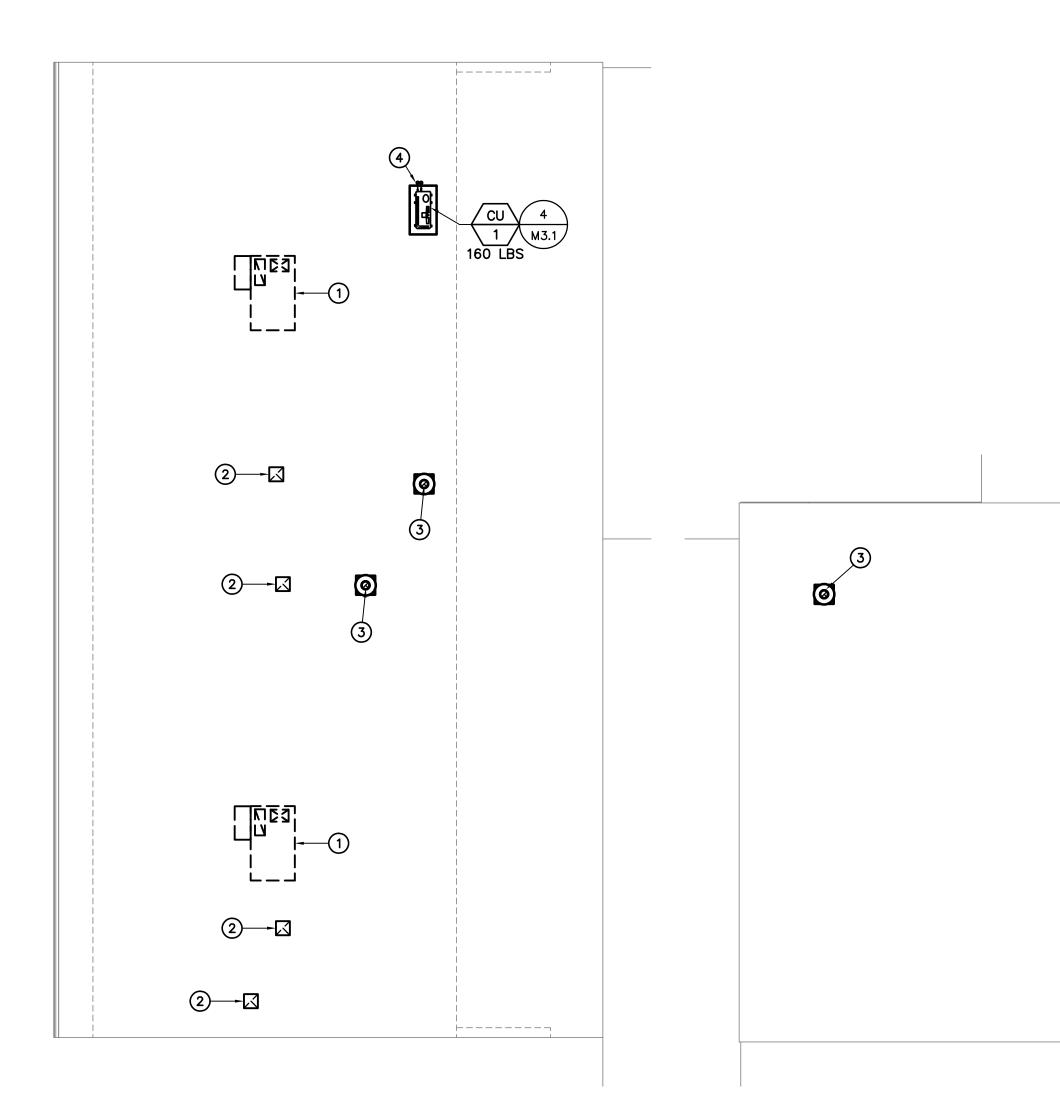
NORTH SCALE 1/8"=1'-0"







MECHANICAL DEMOLITION ROOF PLAN - BUILDING A

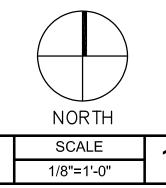


DEMOLITION NOTES:

- 1. DISTRICT SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS TO BE REMOVED. CONTRACTOR SHALL VERIFY ALL SUCH ITEMS WITH DISTRICT PRIOR TO REMOVAL. ALL ITEMS NOT REFUSED BY DISTRICT SHALL BE REMOVED INTACT AND FULLY FUNCTIONAL BY CONTRACTOR AND RETURNED TO DISTRICT. ALL ITEMS REFUSED BY DISTRICT SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
- 2. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER FROM MECHANICAL EQUIPMENT TO BE REMOVED, RELOCATED, RE-USED AND/OR REPLACED AS REQUIRED.
- 3. PLUMBING CONTRACTOR SHALL DISCONNECT EXISTING GAS PIPES FROM MECHANICAL EQUIPMENT TO BE REMOVED AND/OR REPLACED – AS REQUIRED.
- 4. CONTRACTOR SHALL RE-USE EXISTING OPENINGS IN WALLS AND ROOF WHEREVER POSSIBLE. COORDINATE WITH OTHER TRADES AS NECESSARY. GENERAL CONTRACTOR SHALL MODIFY OPENING AS REQUIRED TO ACCOMMODATE NEW MECHANICAL DEVICE.
- 5. GENERAL CONTRACTOR SHALL PATCH ALL OPENINGS IN WALLS, ROOF, ETC. THAT WILL NOT BE REUSED FOR FUTURE WORK. COORDINATE AS NECESSARY WITH OTHER TRADES.
- 6. PRIOR TO ANY WORK BEING DONE CONTRACTOR SHALL MAKE A CAREFUL EVALUATION OF THE EXISTING CONDITIONS AND VERIFY ALL METHODS OF REMOVAL AND INSTALLATION OF MECHANICAL EQUIPMENT.
- 7. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE WORK OF ALL OTHER TRADES.
- FRESH AIR INTAKES SHALL BE 10'-0" MIN. AWAY FROM ALL EXHAUST OUTLETS, PLUMBING VENTS, AND FLUES.
- 9. MAINTAIN MANUFACTURER MIN. CLEARANCES ON ALL ROOF-TOP MECHANICAL EQUIPMENT.

DEMOLITION KEY NOTES:

- (1) EXISTING UNITS TO REMAIN.
- (2) ABANDON EXISTING VENT CAP IN PLACE.

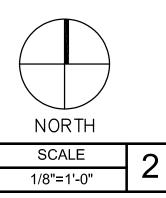


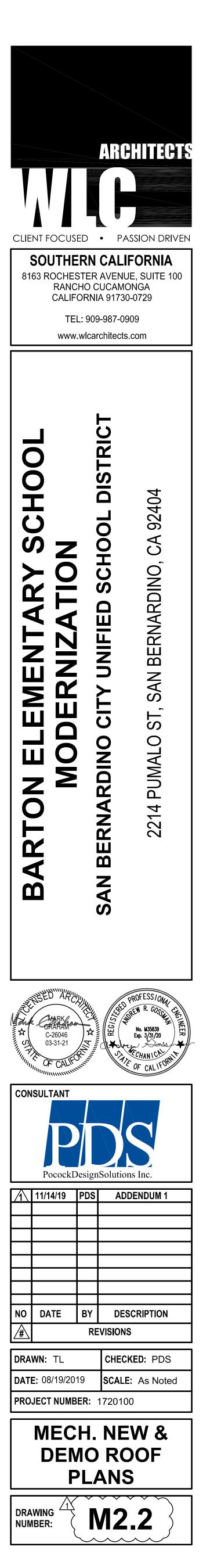
CONSTRUCTION NOTES:

- 1. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 2. CONTRACTOR SHALL VERIFY THE CONDITION OF EXISTING EQUIPMENT, DUCTWORK, ASSOCIATED CONTROLS, AND T-STATS. SHOULD ANY OF THESE ITEMS NOT BE PERFORMING SATISFACTORILY OR MALFUNCTIONING, CONTRACTOR SHALL NOTIFY THE DISTRICT AND PROVIDE PRICE TO ENSURE PROPER OPERATION PRIOR TO COMPLETION OF WORK.
- 3. BEFORE COMMENCEMENT OF WORK, THE MECHANICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND ELECTRICAL SERVICES IN THE AREA OF NEW CONSTRUCTION AND NOTIFY THE DISTRICT OF ANY DISCREPANCIES.
- FRESH AIR INTAKES SHALL BE 10'-0" MIN. AWAY FROM ALL EXHAUST OUTLETS, PLUMBING VENTS, AND FLUES.
- 5. MAINTAIN MANUFACTURER MIN. CLEARANCES ON ALL ROOF-TOP MECHANICAL EQUIPMENT.

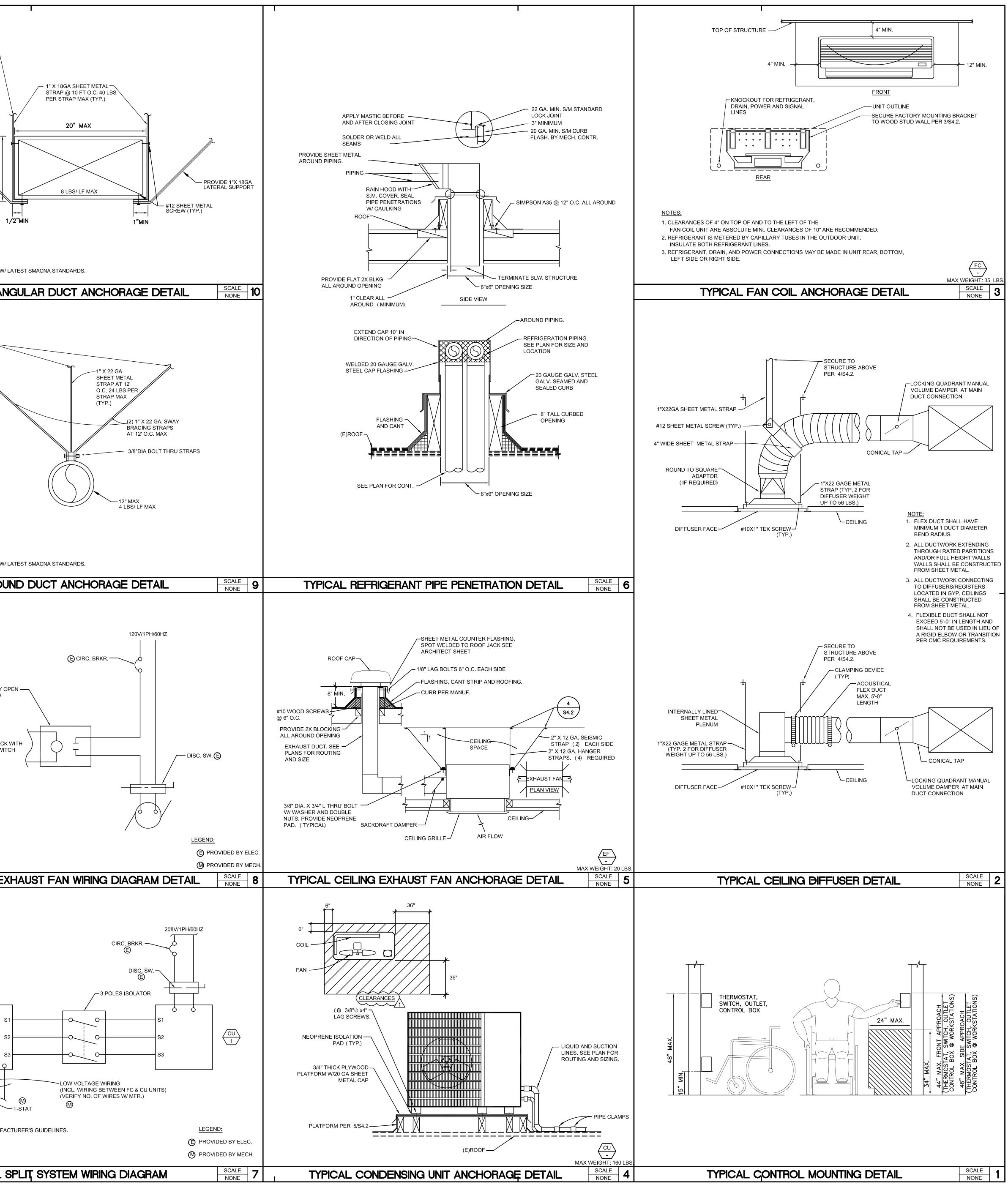
CONSTRUCTION KEYNOTES:

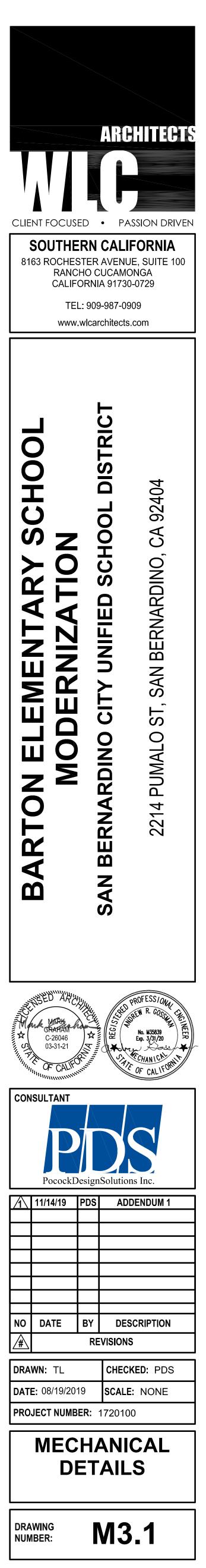
- 1 EXISTING UNIT TO REMAIN.
- (2) ABANDON EXISTING VENT CAP IN PLACE.
- GRSR-8 ROOF CAP OR EQUAL W/ CURB AND 8"Ø EA DUCT DOWN THRU ROOF. SEE 5/M3.1 FOR PENETRATION DETAIL.
- (4) REFRIGERANT PIPING DOWN THRU ROOF. SEE 7/M3.1 FOR PENETRATION DETAIL.

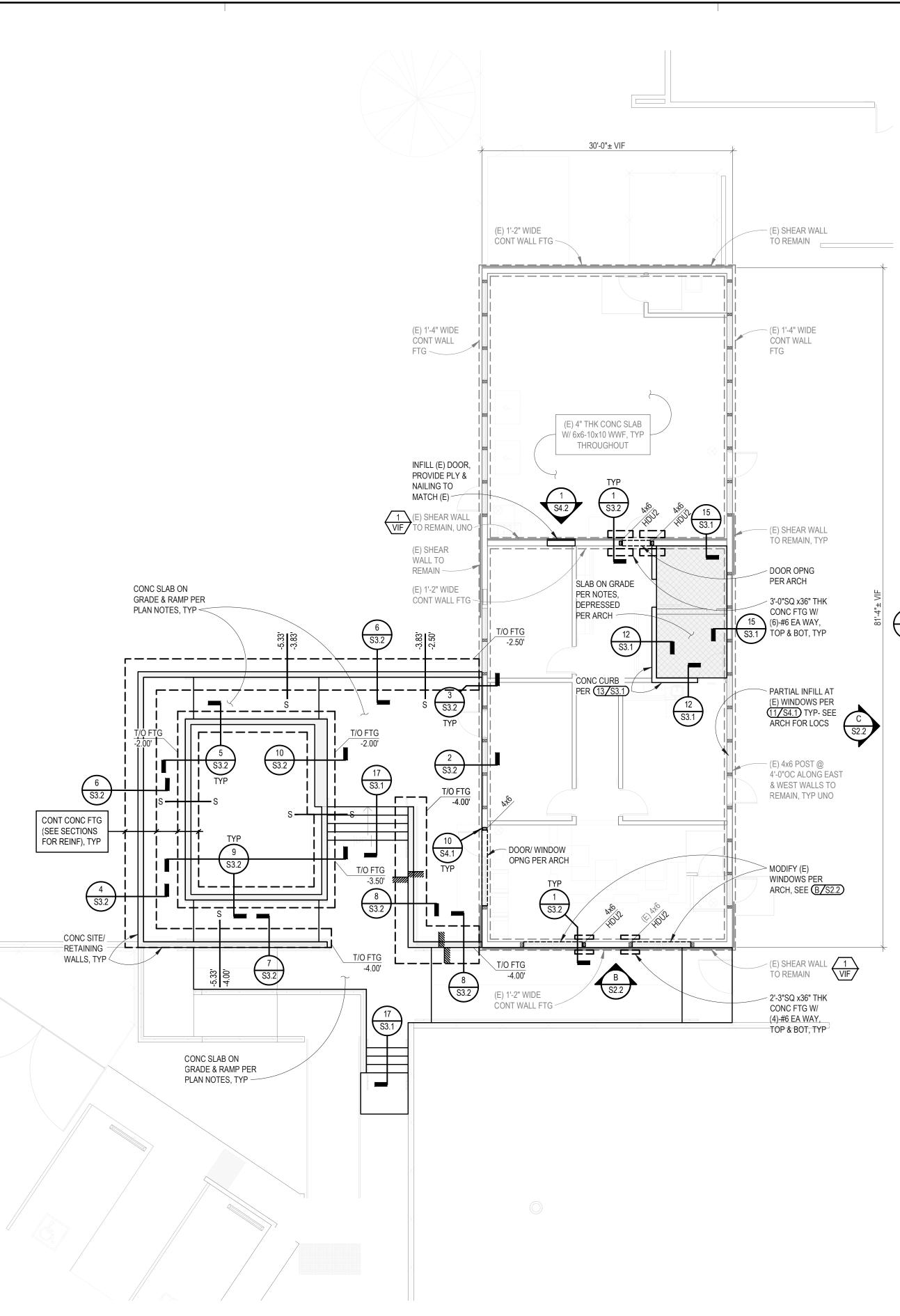




<u> </u>			
			SECURE TO STRUCTURE ABOVE PER
			NOTE: INSTALLATION SHALL COMPLY W TYPICAL RECTAN
			NOTE: INSTALLATION SHALL COMPLY W
			NORMALLY RELAY E INTERLOC LIGHT SWI
			TYPICAL TOILET E
$\begin{array}{c} \downarrow \\ \\ \hline \\$			FC I <t< td=""></t<>
DUCT TRANSITION REQUIREMENTS	SCALE NONE	11	TYPICAL







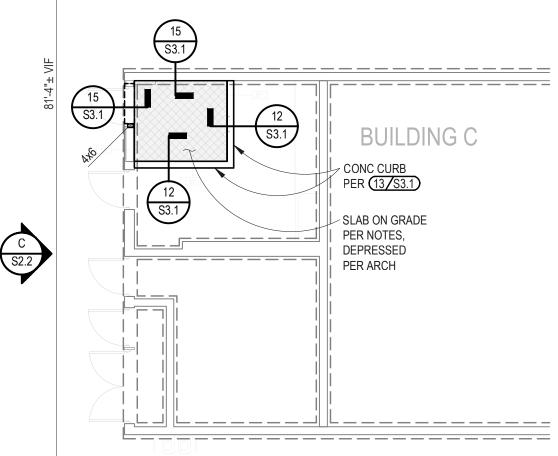
BUILDING A FOUNDATION PLAN & BUILDING C PARTIAL FOUNDATION PLAN SCALE: 1/8" = 1'-0"

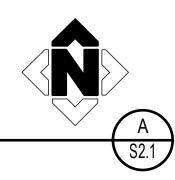
PLAN NOTES	

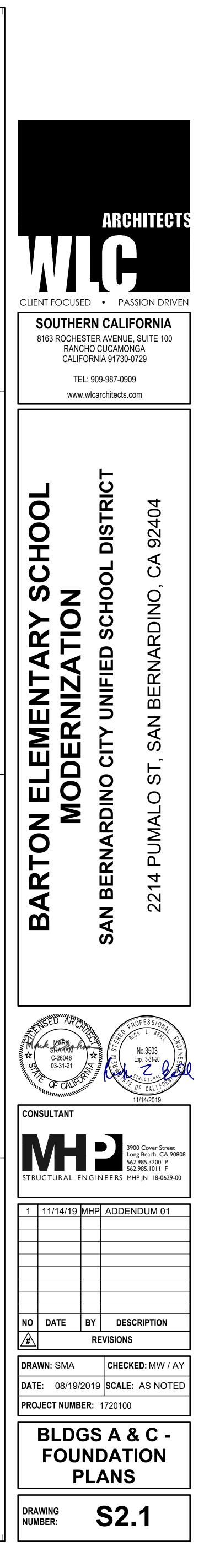
- SEE GENERAL NOTES SHEET(S) FOR APPLICABLE NOTES, ABBREVIATIONS AND PLAN SYMBOLS LEGEND. SEE PLAN SHEET FOR LIST OF APPLICABLE TYPICAL DETAILS NOT CALLED OUT ON PLANS.
- EXISTING CONSTRUCTION IS SHOWN FADED AND IS LABELED AS EXISTING OR (E). NEW CONSTRUCTION IS SHOWN DARK AND IS SPECIFICALLY REFERENCED BY DETAILS AND NOTES.
- EXISTING CONDITIONS ARE SHOWN TO THE BEST OF OUR KNOWLEDGE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING.
- UNLESS NOTED OTHERWISE ON PLAN OR DETAIL, CENTER LINE OF FOUNDATION ELEMENT SHALL MATCH WALL AND/OR COLUMN CENTER LINE.
- FINISH FLOOR ELEVATION = PER ARCHITECT.
- UNLESS NOTED OTHERWISE, SLAB-ON-GRADE SHALL BE 5" THICK, REINFORCED W/ #4 @ 18"OC EACH WAY, OVER SUB-BASE AND SUB-GRADE PREPARED PER TYPICAL SLAB-ON-GRADE UNDERLAYMENT DETAIL 9 / S3.1.
- SEE ARCHITECTURAL PLANS FOR CURBS, SLAB DEPRESSIONS AND SLOPES NOT SHOWN ON PLAN.
- SEE ARCHITECTURAL DRAWINGS FOR NON-BEARING WALL LOCATIONS AND DIMENSIONS NOT SHOWN ON PLAN.

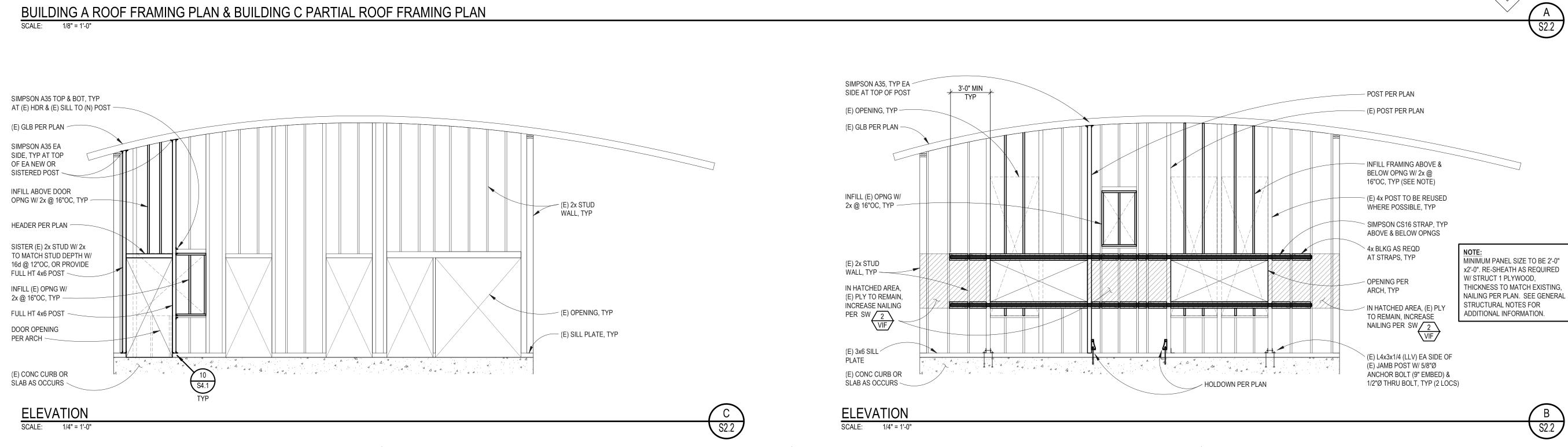
LIST OF APPLICABLE TYPICAL CONCRETE DETAILS						
DESCRIPTION	DETAIL	SHEET				
TYPICAL OVER-EXCAVATION AND COMPACTED FILL REQUIREMENTS	1	S3.1				
TYPICAL EXCAVATION ADJACENT TO FOOTING	2	S3.1				
TYPICAL FOOTING POURED AGAINST EARTH	3	S3.1				
TYPICAL REINFORCING HOOKS	4	S3.1				
TYPICAL REINFORCING BAR DEVELOPMENT AND LAP SPLICE SCHED	5	S3.1				
WALL AND FOOTING REINFORCING AT CORNER AND INTERSECTION	6	S3.1				
TYPICAL STEPPED FOOTING	7	S3.1				
TYPICAL PIPE / CONDUIT SLEEVES ACROSS FOOTINGS	8	S3.1				
TYPICAL SLAB-ON-GRADE UNDERLAYMENT	9	S3.1				
TYPICAL SLAB-ON-GRADE CONTROL AND CONSTRUCTION JOINTS	10	S3.1				
TYPICAL SLAB EDGE	11	S3.1				
TYPICAL DEPRESSION IN SLAB-ON-GRADE	12	S3.1				
TYPICAL CONCRETE CURBS	13	S3.1				
TYPICAL CONCRETE CURB TO EXISTING CONCRETE SLAB	14	S3.1				
TYPICAL NEW SLAB TO EXISTING SLAB OR WALL	15	S3.1				
TYPICAL NEW SLAB STRIP TO EXISTING SLAB OR WALL	16	S3.1				

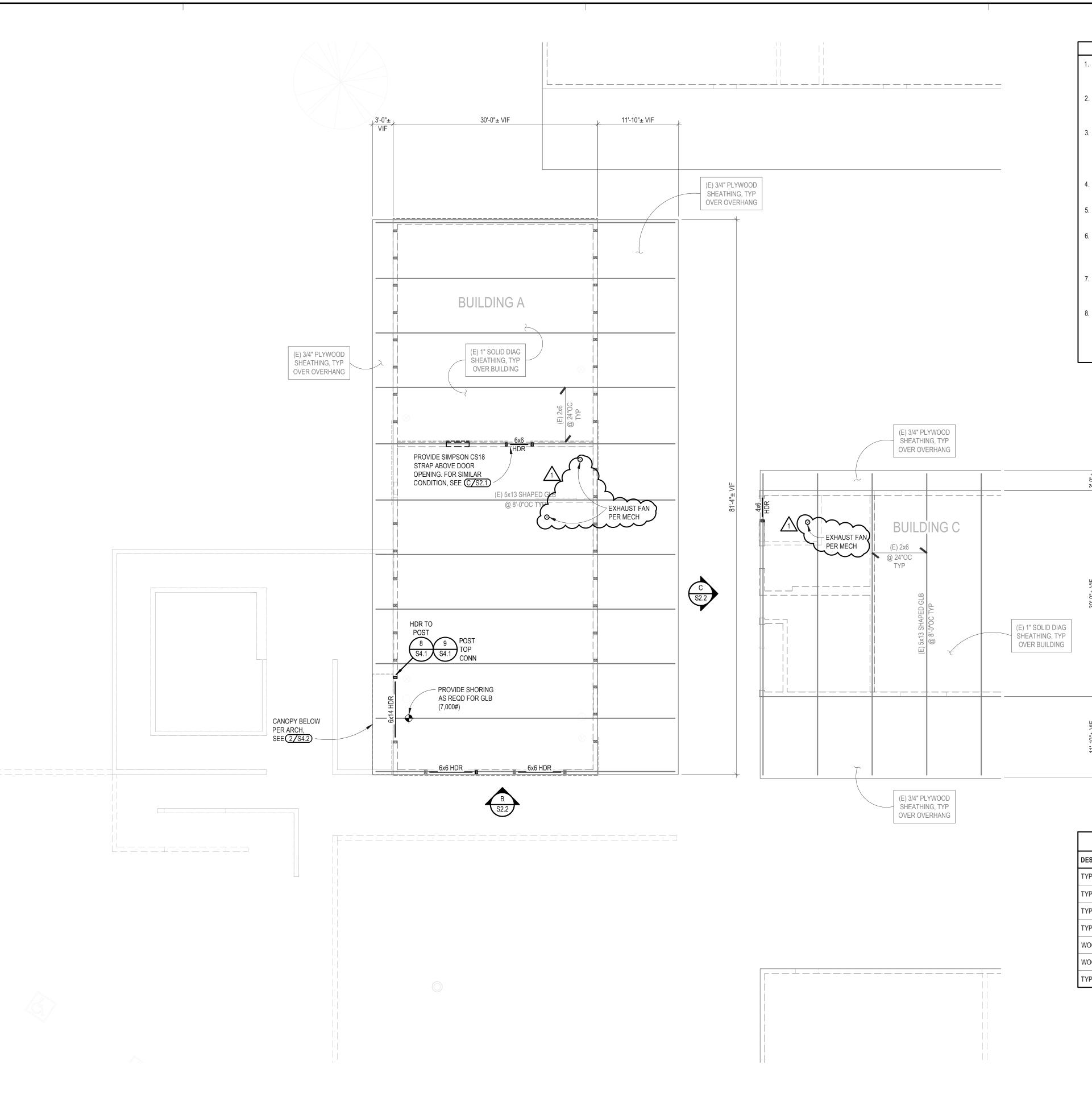
LIST OF APPLICABLE TYPICAL WOOD FRAMING DETAILS							
DESCRIPTION	DETAIL	SHEET					
TYPICAL SHEAR WALL ELEVATION, SCHEDULE AND NOTES	А	S4.1					
TYPICAL SHEAR TRANSFER OPTIONS	1	S4.1					
TYPICAL DOUBLE TOP PLATE SPLICE SCHEDULE	2	S4.1					
TYPICAL DOUBLE TOP PLATE SPLICE AT STEEL COLUMN	3	S4.1					
WOOD BEAM TO WOOD POST	4	S4.1					
WOOD STUD WALL TO CONCRETE	5	S4.1					
TYPICAL HOLES AND NOTCHES IN WOOD DETAIL	6	S4.1					











BUILDING A ROOF FRAMING PLAN & BUILDING C PARTIAL ROOF FRAMING PLAN SCALE: 1/8" = 1'-0"

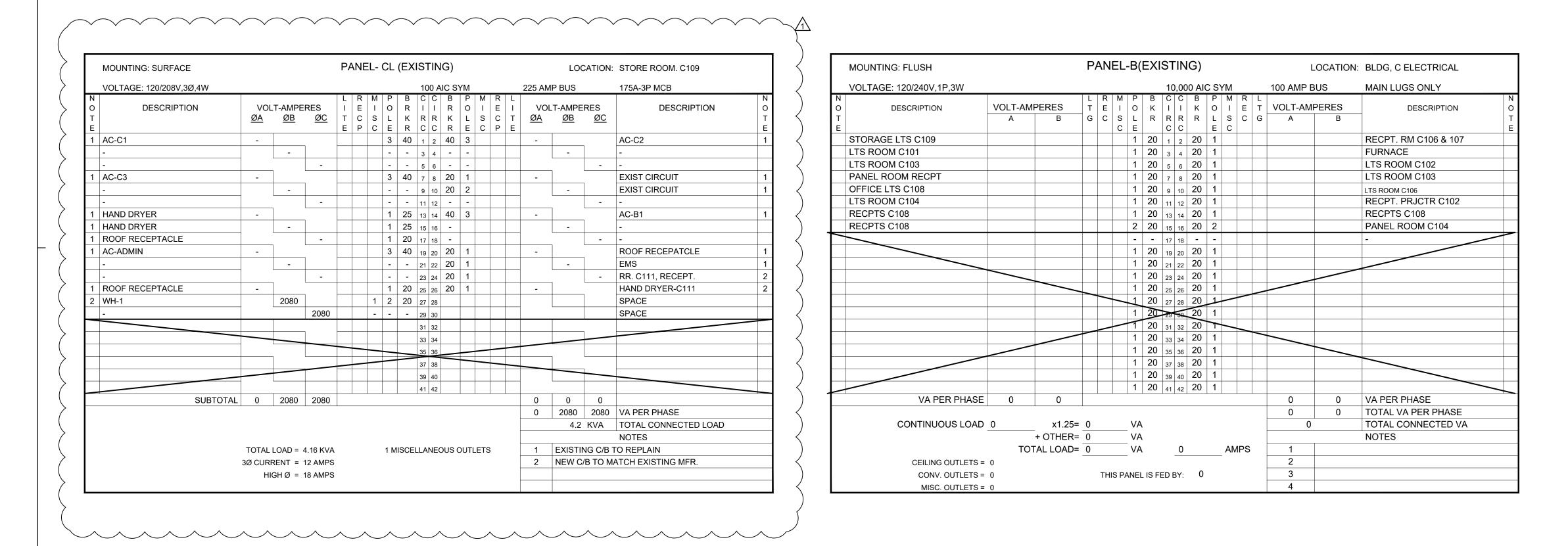
FRAMING PLAN NOTES

- SEE GENERAL NOTES SHEET(S) FOR APPLICABLE NOTES, ABBREVIATIONS AND PLAN SYMBOLS LEGEND. SEE PLAN SHEET FOR LIST OF APPLICABLE TYPICAL DETAILS NOT CALLED OUT ON PLANS.
- EXISTING CONSTRUCTION IS SHOWN FADED AND IS LABELED AS EXISTING OR (E). NEW CONSTRUCTION IS SHOWN DARK AND IS SPECIFICALLY REFERENCED BY DETAILS AND NOTES.
- EXISTING CONDITIONS ARE SHOWN TO THE BEST OF OUR KNOWLEDGE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING.
- ALL FRAMING MEMBERS NOT OTHERWISE DIMENSIONED SHALL BE EQUALLY SPACED BETWEEN GIRDERS OR OTHER SUPPORTS.
- SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR PRECISE SIZE AND LOCATIONS OF ROOF PENETRATIONS.
- WHERE MECHANICAL UNIT OCCURS OVER 2x FRAMING OR SUSPENDED BY 2x FRAMING, SISTER (E) 2x JOISTS W/ 2x TO JOIST MATCH DEPTH (2x6 MIN) W/ 16d @ 12"OC. NOT REQUIRED BELOW UNITS WEIGHING 215# OR LESS. ANCHOR UNITS PER DETAILS 3 AND 5 ON SHEET S4.2.
- DIMENSIONS OF EQUIPMENT ANCHOR/ MOUNTING LOCATIONS SHOWN ON PLANS AND/OR DETAILS ARE TO BE COORDINATED WITH ACTUAL EQUIPMENT TO BE INSTALLED.
- CONTRACTOR TO VERIFY THE EXACT SIZE AND LOCATION OF ALL EQUIPMENT ANCHOR/ MOUNTING HOLES PRIOR TO INSTALLATION. WHERE ACTUAL EQUIPMENT DIMENSIONS DO NOT FALL WITHIN THE MINIMUM OR MAXIMUM DIMENSIONS PROVIDED ON PLANS AND/OR DETAILS, NOTIFY SEOR AND AWAIT DIRECTION PRIOR TO PROCEEDING WITH WORK.

LIST OF APPLICABLE TYPICAL WOOD FRAMING DETAILS							
DESCRIPTION	DETAIL	SHEET					
TYPICAL SHEAR WALL ELEVATION, SCHEDULE AND NOTES	A	S4.1					
TYPICAL SHEAR TRANSFER OPTIONS	1	S4.1					
TYPICAL DOUBLE TOP PLATE SPLICE SCHEDULE	2	S4.1					
TYPICAL DOUBLE TOP PLATE SPLICE AT STEEL COLUMN	3	S4.1					
WOOD BEAM TO WOOD POST	4	S4.1					
WOOD STUD WALL TO CONCRETE	5	S4.1					
TYPICAL HOLES AND NOTCHES IN WOOD DETAIL	6	S4.1					



	MOUNTING: SURFACE			PÆ	٩NE	EL-	A (NE	W)						LOCATION	: LOUNGE
	VOLTAGE: 120/240V,1P,3W								10,00					225 AMP	BUS	MLO
N O	DESCRIPTION	VOLT-AM	IPERES	L T	E	M I	P O	B K	C C	B K	P O	I.	E	L T VOLT-AN	IPERES	DESCRIPTION
T E		A	В	G		S C	L E	R	R R C C	R	L E	S C	C	G A	В	
	LTS LOUNGE & OFFICE	787		21			1	20	1 2	20	1		1	500		MASTER CLOCK
	LTS PR, NURSE & PRINCIPAL		432	12			1	20	3 4	20	2	1			1465	CU-1 ROOF
	LTS RECEPTION	413		14			1	20	5 6	-	-	-		1465		-
	RECEPTION DESK		600		3	1	1	20	7 8	15	2	1			24	FC-1
	EXT. RECP, SO DFF RECP	1440			8		1	20	9 10	-	-	-		24		-
	RECP. PRINCIPLE, EXT, RECP		1620		9		1	20	11 12	20	1		1		500	EMS
	TELEPHONE BOARD	360			2		1	20	13 14		1		1	500		MDF RM
	LTS OUTSIDE, TIME CLOCK		270	6			1	20	15 16	20	1		4		720	WKRM.
	MDF	1500			1		2	30	17 18	40	2	1		4160		WH-2
	-		1500		-		-	-	19 20	-	-	-			4160	-
	MDF	1500			1		2	30	21 22	40	2	1		4160		WH-2
	-		1500		-		-	-	23 24	-	-	-			4160	-
	MICROWAVE	1000			1		1	20	25 26	20	2	1		2080		WH-1
	MICROWAVE		1000		1		1		27 28		-	-			2080	-
~~	DISPOSAL				2	\sim	1	20	29 30	20	2	1		2080		WH-1
	HAND DRYERS		500			1 }	1	20	31 32	-	-	-			2080	-
	HAND DRYERS	500				1	1	20			1					SPARE
~~	SPARE	·····			~~~	\sim	1	20	35 36	20	1					SPARE
	SPARE						1	20	37 38	20	1					SPARE
	SPARE						1	20	39 40	20	1					SPARE
	SPARE						1	20	41 42	20	1					SPARE
	VA PER PHASE	8500	7422											14969	15189	VA PER PHASE
														23469	22611	TOTAL VA PER PHASE
	CONTINUOUS LOAD	1902	x1.25=	237	78		VA							46080)	TOTAL CONNECTED VA
			+ OTHER=	441	178		VA									NOTES
		TO	TAL LOAD=	465	556		VA		194			AM	PS	1		
	CEILING OUTLETS =	53									-	_		2		
	CONV. OUTLETS =	35			THIS	S PA	NEL	IS FE	ED BY:	0				3		
	MISC. OUTLETS =	9												4		

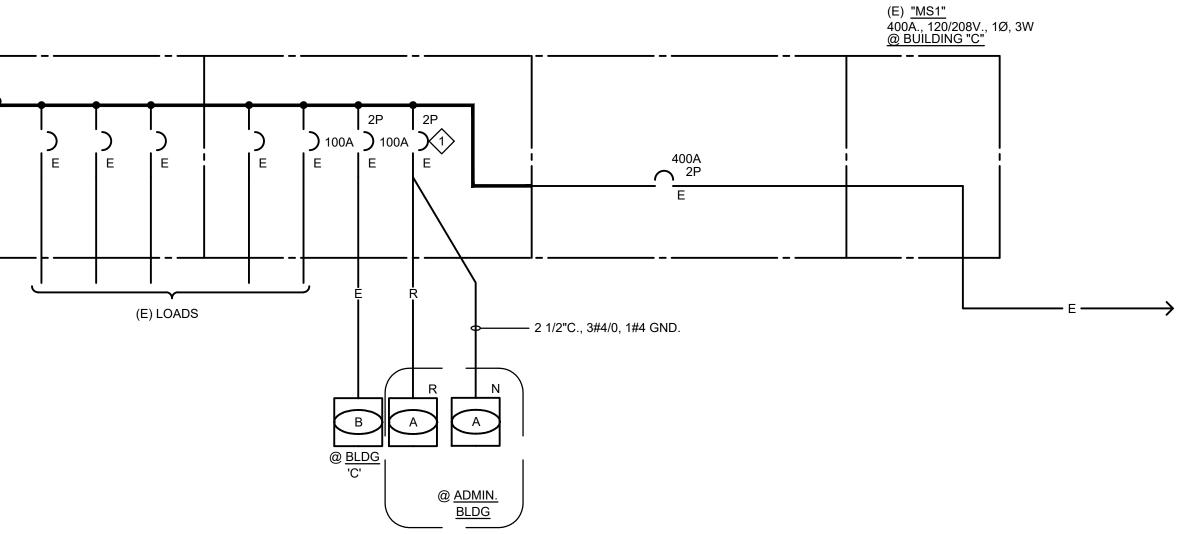


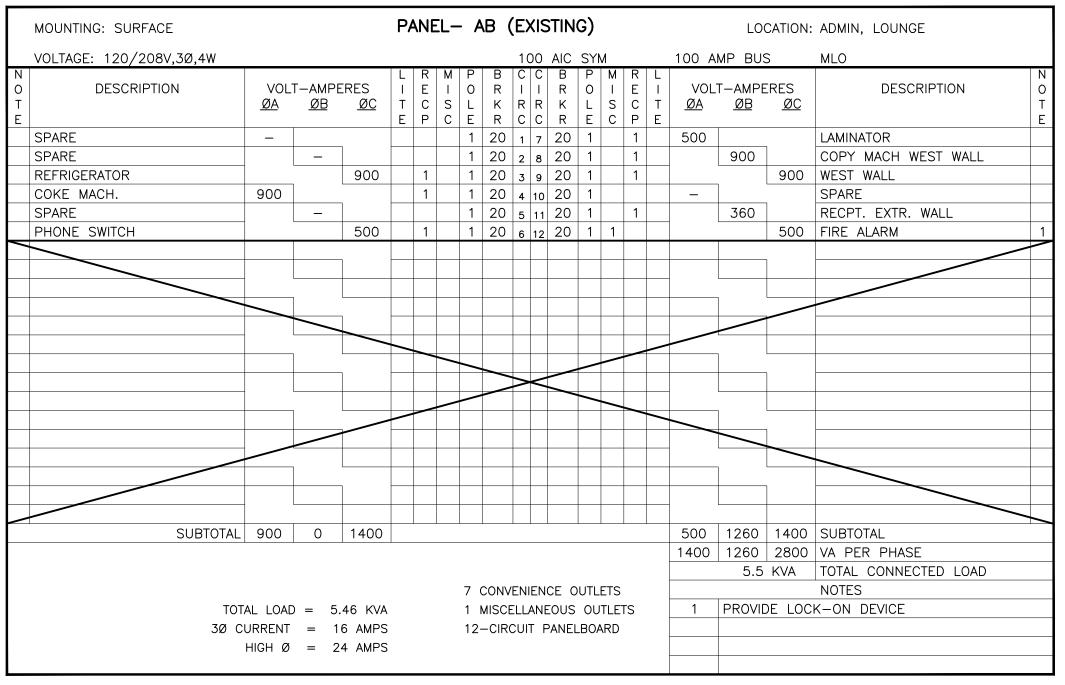
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	LIGH	ΗΤΙΝΟ	G FIX	FURE SCHEDULE	
TYPE	DESCRIPTION	FINISH	LAMP(S)	REMARKS	MANUFACTURER & NO.
A	2'X4' LED FIXTURE, WITH 0-10V DIMMING DRIVER, 120-277V	WHITE	38W 4800LUM 4000K LED	RECESSED IN T-BAR CEILING	METALUX #24SR-LD2-48C-UNV-L840-CD1
AE	SAME AS "A" EXCEPT WITH A 14 WATT;120-277V EMERGENCY BATTERY PACK, 90 MINUTES.	WHITE	38W 4800LUM 4000K LED	RECESSED IN T-BAR CEILING	METALUX #24SR-LD2-48C-UNV-L840-EL14W-CD1
В	1'X4' LED FIXTURE, WITH 0-10V DIMMING DRIVER, 120-277V.	WHITE	38W 4500LUM 4000K LED	RECESSED IN T-BAR CEILING	METALUX #14SR-LD2-45C-UNV-L840-CD1
С	6" SQUARE LED FIXTURE, 120/277V, 0-10V, DIMMING TO 1%.	WHITE	21W 2000LUM LED	RECESSED IN CEILING	HALO #PRS6-PS24-D010,ST1624SPS, 615WDMW
CE	6" SQUARE LED FIXTURE, 120/277V, 0-10V, DIMMING TO 1%., WITH A 90 MINUTE EMERGENCY BATTERY BACK UP.	WHITE	21W 2000LUM LED	RECESSED IN CEILING	HALO #PRS6-FS24-D010,REM14, SM624SFS, 615WDMW
D	PENDANT CYLINDER, 120V, WHITE SHADE	WHITE	60W INC	MOUNT FROM CEILING	HALO #HICYLBRZA15PWH
F	WALL MOUNT LED FIXTURE, 120V, WP WITH A 90 MINUTE EMERGENCY BATTERY BACK UP	BRONZE	45W 3000K LED	MOUNT AT +12" ABOVE DOOR AT MU ROOM. MOUNT AT +30" ABOVE DOOR AT BUILDING 'A'.	McGRAW-EDISON #1STAF800LEDE3T3BZ-8030BBB
x	LED EXIT SIGN, RED LETTERS WITH A 90 MINTE EMERGENCY BATTERY PACK.	WHITE	1W LED	MOUNTED ON CEILING	SURE-LITES #SLX75DR

SCHEDULES

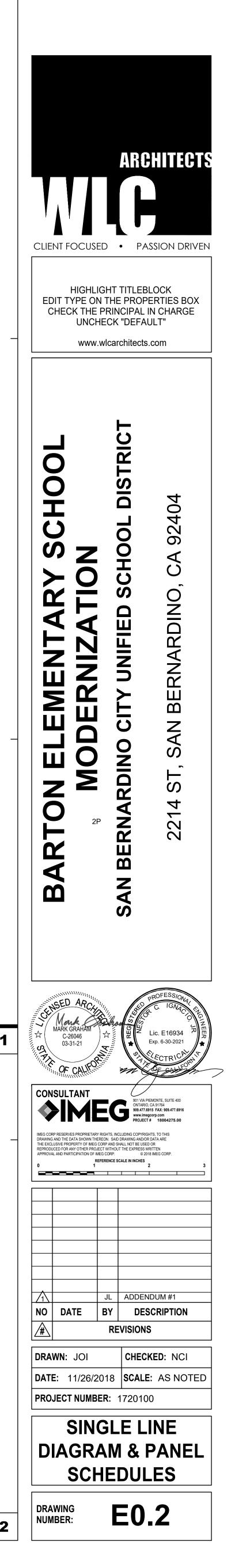


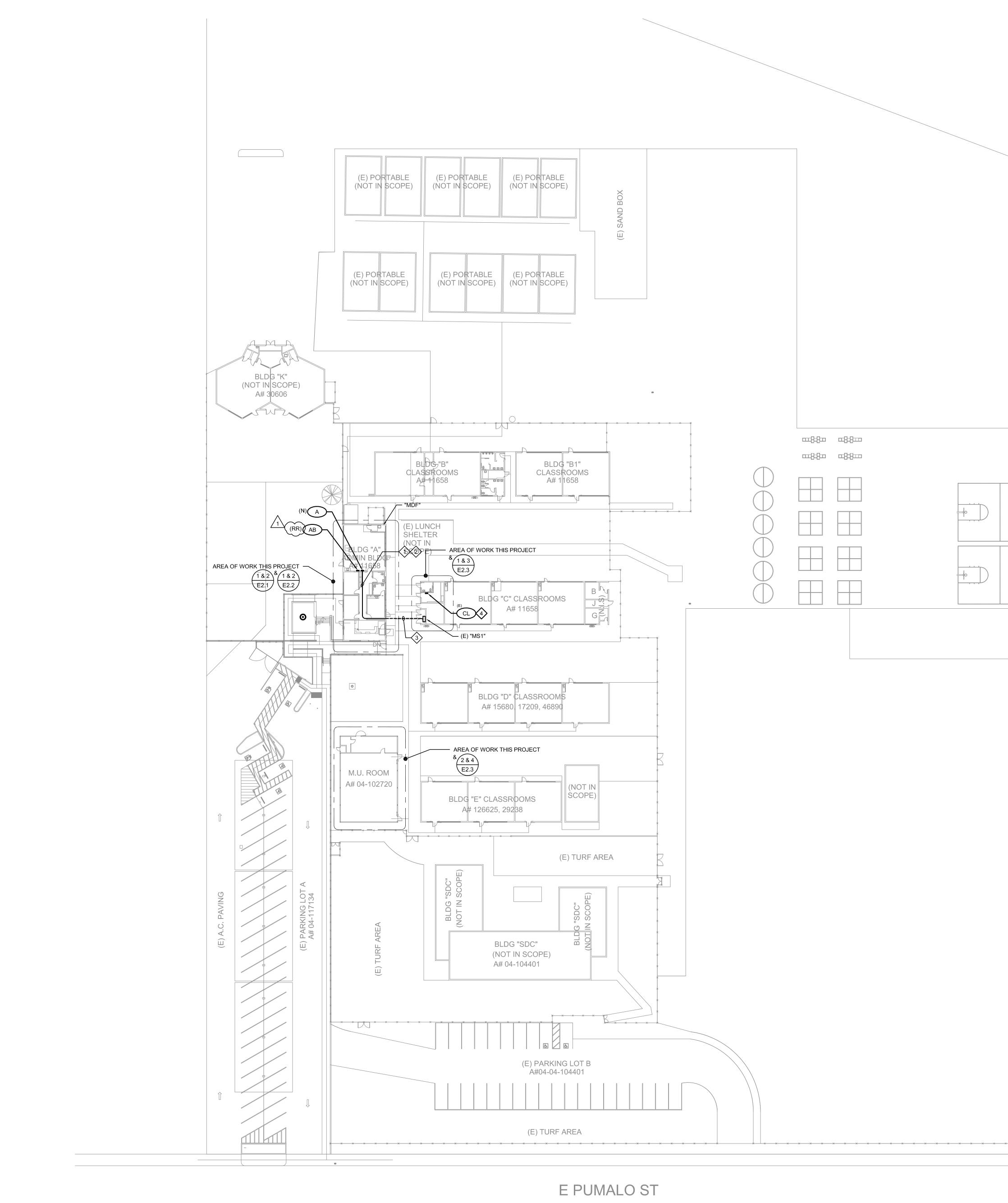


SINGLE LINE NOTES:
REMOVE EXISTINTG 100A-2P C/B AND REPLACE WITH A 225A-2P C/B, MATCH EXISTING MANUFACTURER.

NTS

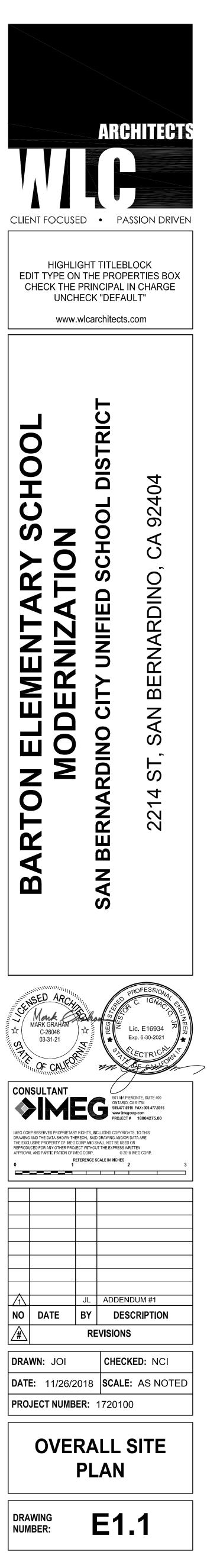
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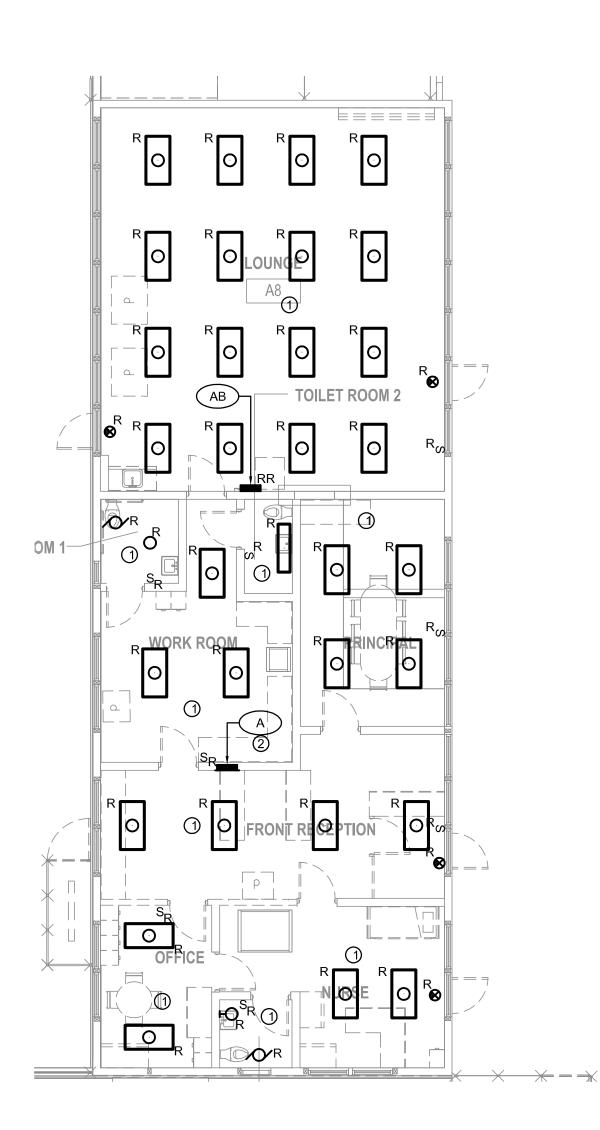




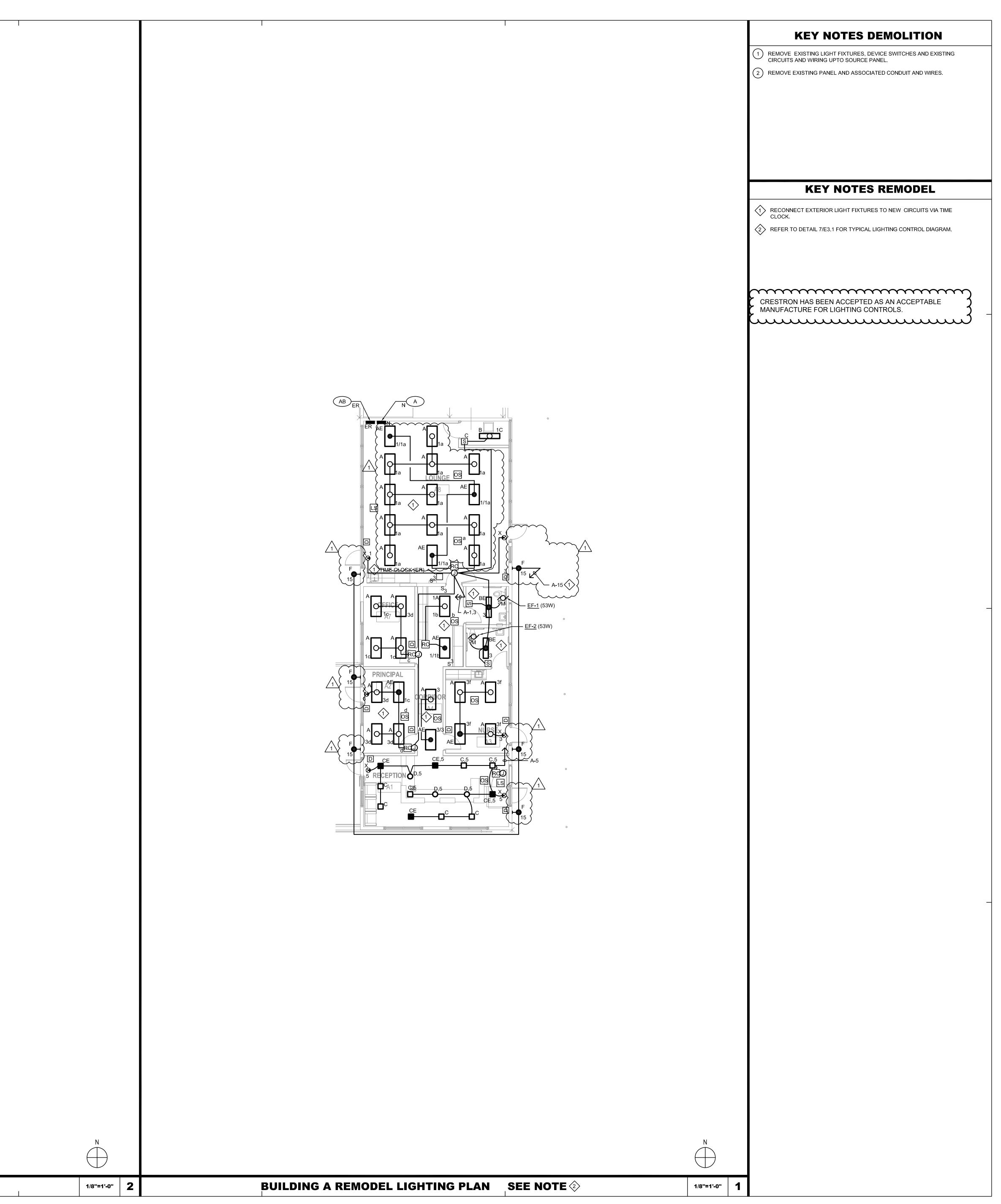
OVERALL SITE PLAN

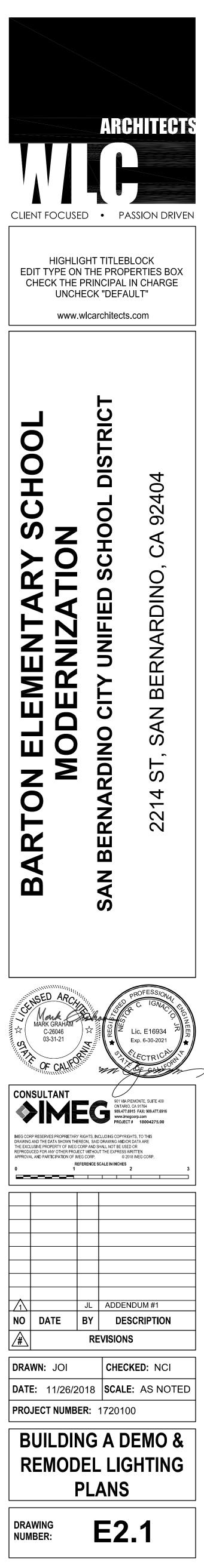
		KEY NOTES
		 REFER TO SINGLE LINE DIAGRAM FOR FEEDER SIZE, SHEET E0.2. ROUTE INSIDE CEILING SPACE. ROUTE EXPOSED UNDER CANOPY. PAINT TO MATCH EXISTING FINISH. 2 EXISTING ROOF-TOP MOUNTED AC UNITS ON BUILDING 'A' ARE CONTROLLED FROM PANEL "CL".
		_
		GENERAL NOTE 1. PROVIDE WEATHER PROOF CAULKING FOR CONDUIT PENETRATIONS
		THROUGH EXTERIOR WALLS.
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	1"=30'-0" 1	

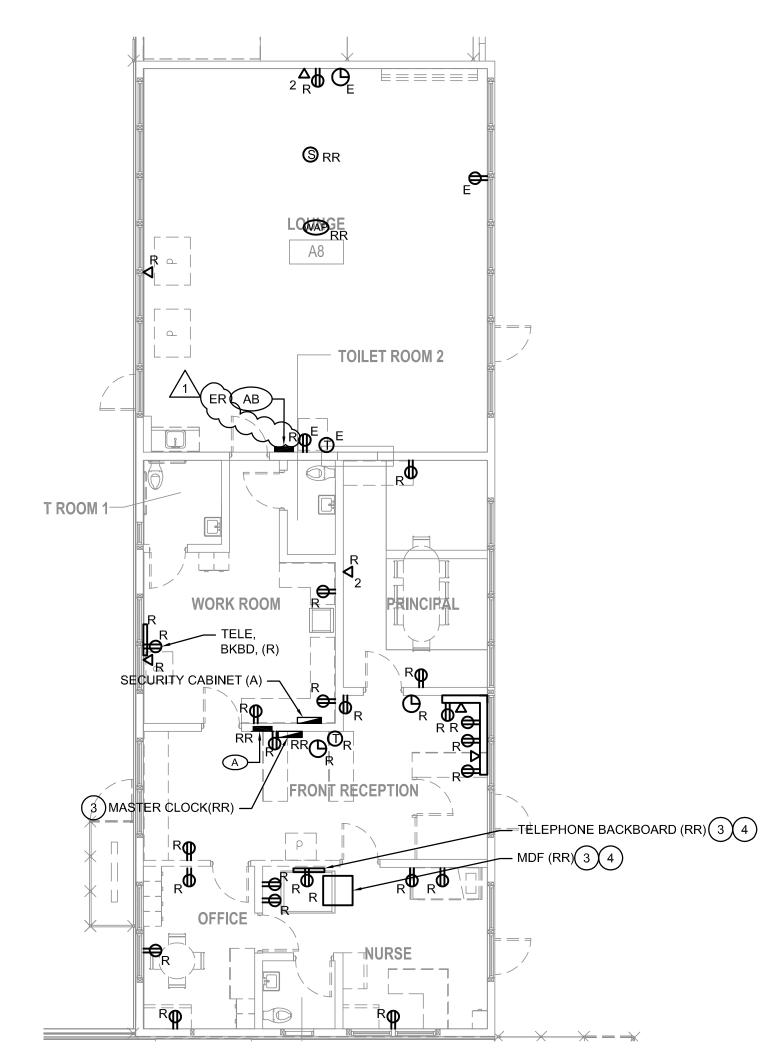




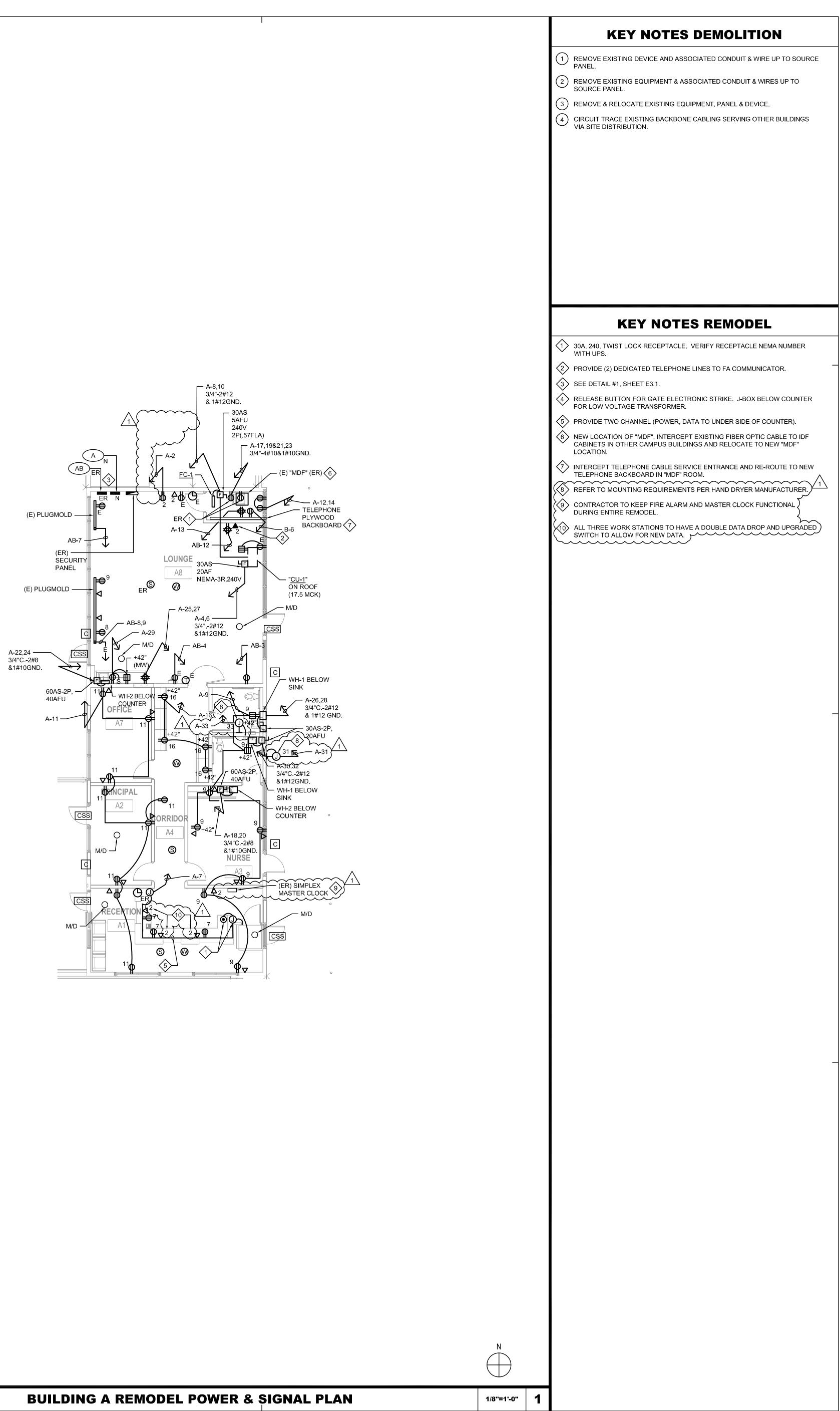












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1/8"=1'-0" 2

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