1830 South Nogales Street
Rowland Heights
CA 91748

(626) 965-2541
(FAX) (626) 854-8302

www.rowland-unified.org

ROWLAND
UNIFIED SCHOOL DISTRICT

PROJECT NAME: Alvarado Intermediate School Partial Modernization
BID NO: 2010/11:13
DSA NO: 03-112358

The Rowland Unified School District provides the following information:

ADDENDUM NO: 4
DATE: May 12, 2011

Please note the following revisions and/or clarifications for the above referenced bid with acknowledgement of receipt and incorporation of information to be noted in the Bid Proposal.

TABLE OF CONTENTS

	Author	Contract Document(s) affected	Page(s)
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4A	District	Bid Documents	1

In the case of any conflict between the Contract Documents including, but not limited to the Bid Documents, Drawings, Specifications, and previous Addenda, this Addendum shall govern.

If you have any questions regarding this bid and/or this Addendum, please submit your question as specified in the Bid Documents.

Sincerely,

Cindy Maloney
Director of Purchasing
Rowland Unified School District

THANK YOU FOR YOUR INTEREST IN THIS PROJECT!

Henry Woo Architects, Inc.
1210 Brea Canyon Rd., Diamond Bar, CA 91789-3909 ph. (909) 594-8193 May 10, 2011

ADDENDUM NO. 4

Rowland Unified School District
Alvarado Intermediate School Partial Modernization
HWA Proj. No.108RSD13
DSA No. 03-112358

The following changes, omissions, and/or additions to the Specifications 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 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 affected shall be fully advised in the performance of the Work which will be required of them.

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

ADDM. ITEMS

GENERAL

1. Revised Contract Time is defined in Paragraph 4 of the Special Conditions and provides for a total project duration shall be **four hundred thirty-seven (437)** calendar days in lieu of all prior references.

2. Provide typical demolition at existing window sills for new work as required per attached drawing **AD4-A1**, dated May 10, 2011.

3. All carpet patching shall be provided by the Owner.

4. Provide expansion joints with waterproof sealant between all existing grade beams under the walkway canopy and new adjacent concrete paving per Detail C/C-2.3 and attached drawing **AD4-A5**, dated May 10, 2011.

5. At Building C-2 and Building K1-A, provide solid blocking in wall in each classroom where new TV mounting is identified by the District.

SPECIFICATIONS

SECTION 01105 - Phasing Of The Work

6. REPLACE: The preliminary construction schedule provided in Addendum No. 3.
   WITH: The attached Phasing Plan and Bar Chart. These documents shall be utilized as the basis for the Contractor's requirement to provide a construction schedule per Article 7.3 of the General Conditions.

SECTION 08710 - Finished Hardware

7. REPLACE: This section in its entirety with the attached section, dated May 10, 2011.

SECTION 09100 - Lath and Plaster

At Part 2, 2.01 Materials

8. REVISE: Item L.
   TO READ: "L. Extruded Aluminum Channel Screed: PCS 75-100 as manufactured by Fry Reglet, or EXP 75-100 as manufactured by Flannery Inc., or accepted equal. **"+" intersection plaster reveal shall be of one piece with 6" legs.**"

DRAWINGS

CIVIL:

On SHEET C-2.0

At Construction Notes

9. ADD: "11. Contractor shall install a doweled expansion joint with waterproof sealant at all join lines between existing concrete paving to remain and new adjacent concrete paving per Detail C/C-2.3.

On SHEET C-2.3

At Detail A - Concrete Paving

10. REVISE: Section View detail per attached drawing **AD4-A11A**, dated May 10, 2011.

At Detail C - Expansion Joints

11. REVISE: Doweled Expansion Joint detail per attached drawings **AD4-A11B** and **AD4-A11C**, dated May 10, 2011.

ARCHITECTURAL:

On SHEET A-1.0

At Site Plan

12. REVISE: Per attached drawings **AD4-A2A**, **AD4-A2B**, **AD4-A3A**, and **AD4-A3B**, dated May 10, 2011.

On SHEET A-2.1

At Demolition Floor Plan - Bldg. K1-A

13. REVISE: Existing floor slab demolition scope per attached drawings **AD4-A6**, dated May 10, 2011.

On SHEET A-2.2

At Floor Plan - Bldg. C-1, C-2, C-3, and C-4

14. REVISE: Per attached drawings **AD4-A9A**, **AD4-A9B**, **AD4-A9C**, and **AD4-A9D**, dated May 10, 2011.

On SHEET A-2.4

At Floor Plan - Bldg. C-5, and C-6

15. REVISE: Per attached drawings **AD4-A9E** and **AD4-A9F**, dated May 10, 2011.

On SHEET A-3.0

At Reflected Ceiling Plans

16. REVISE: To add a ceiling hatch in Room RSP-C3-4B per attached drawing **AD4–A4**, dated May 10, 2011.

On SHEET A-7.0

At Detail 6 - Interior Elevations Science-53 (Science-51 similar reversed) (Bldg. C-2)

17. REVISE: Per Attached drawing **AD4-A10A**, dated May 10, 2011.

At Detail 8 - Interior Elevations Science-52 (Bldg. C-2)

18. REVISE: Per Attached drawing **AD4-A10B**, dated May 10, 2011.

On SHEET A-7.1

At Detail 6 - Interior Elevations Science-71 (Bldg. K1-A)

19. REVISE: Per Attached drawing **AD4-A10C**, dated May 10, 2011.

At Detail 8 - Interior Elevations Science-72(Bldg. K1-A)

20. REVISE: Per Attached drawing **AD4-A10D**, dated May 10, 2011.

On SHEET A-7.2

At Detail 6 - Interior Elevations Science-73 (Bldg. K1-A)

21. REVISE: Per Attached drawing **AD4-A10E**, dated May 10, 2011.

On SHEET A-8.0

At Door Schedule

22. ADD: Doors C1-1A, C2-1A, C3-1A, C4-5A, C5-1A, and C6-5A per attached drawing **AD4-9G**, dated May 10, 2011.

On SHEET A-9.2

At Detail 12 - Typical Soffit

23. REVISE: Per attached drawing **AD4-A7**, dated May 10, 2011.

On SHEET A-9.4

At Detail 6 - Learning Wall Unit Elevation (For Reference Only)

24. REVISE: Per attached drawing **AD4-A8**, dated May 10, 2011.

MECHANICAL:

On SHEET M-2.0, M-2.1, and M-2.3

At Demolition Floor Plan for Buildings K1-A, C-1, C-2, C-3, C-4, C-5, and C-6

25. ADD: The following Demolition Note.
"Remove all existing abandoned equipment, ductwork, piping and other related accessories in all areas including attics, mechanical rooms, and concealed or furred spaces where new work occurs. Cap piping in wall or floor."

PLUMBING:

On SHEET P-1.1

At General Note

26. REVISE: Thrust block note.
TO READ: "Thrust block for underground PVC piping shall be provided at all bends, elbows, and tees. See detail 3/P-2.0"

LANDSCAPE:

On SHEET L-1.0

At Notes

27. ADD:
"7. Contractor shall protect and maintain existing water line and control vires servicing existing irrigation for turf fields. System is currently pumped and controlled from Maintenance Room inside Building SL.

8. Contractor shall remove and cap off existing manual irrigation control valves servicing existing turf courtyards between buildings C-1, C-2, C-3, C-4, C-5, and C-6.

9. Contractor shall protect and maintain existing water line servicing existing irrigation for Student Garden, north of Building K1-A.

10. Contractor shall protect and maintain existing water line and control wires servicing existing irrigation for planter areas adjacent to existing parking lot B."

28. **See attached electrical addendum items by Pacific Engineers Group. (2 pages total)**

List of Attachments:

Bar Chart
Phasing Plan
Specification Section 08710 - Door Hardware

AD4-A1	Typical Existing Window Sill Demolition
AD4-A2A	Partial Demolition Paving Plan at Parking Lot B
AD4-A2B	Partial Paving Plan at Parking Lot B
AD4-A3A	Partial Demolition Paving Plan at Parking Lot C
AD4-A3B	Partial Paving Plan at Parking Lot C
AD4-A3C	New Concrete To Existing Utility Vault
AD4-A3D	Typical Metal Bollard
AD4-A4	Partial Reflected Ceiling Plan - Building C-3
AD4-A5	Typical Expansion Joint At Walkway Canopy Grade Beam
AD4-A6	Partial Demolition Floor Plan - Building K1-A
AD4-A7	Typical Soffit
AD4-A8	Learning Wall Unit Elevation (For Reference Only)
AD4-A9A	Partial Floor Plan - Bldg. C-1
AD4-A9B	Partial Floor Plan - Bldg C-2
AD4-A9C	Partial Floor Plan - Bldg C-3
AD4-A9D	Partial Floor Plan - Bldg C-4
AD4-A9E	Partial Floor Plan - Bldg C-5
AD4-A9F	Partial Floor Plan - Bldg C-6
AD4-A9G	Partial Door Schedule
AD4-A10A	Interior Elevation Science-53 (Science-51 Similar Reversed) (Bldg. C-2)
AD4-A10B	Interior Elevation Science-52 (Bldg. C-2)
AD4-A10C	Interior Elevation Science-71 (Bldg. K1-A)
AD4-A10D	Interior Elevation Science-72 (Bldg. K1-A)
AD4-A10E	Interior Elevation Science-73 (Bldg. K1-A)
AD4-A11A	Typical Concrete Slab Edge
AD4-A11B	Typical New To Existing Concrete
AD4-A11C	Typical Expansion Joint
AD4-E1	Typical Classroom Partial Signal Plan And Details
AD4-E2	Typical Classroom Partial Signal Plan And Details

END OF ADDENDUM NO. 4

Henry Woo Architects, Inc.

LICENSED ARCHITECT
HENRY H. WOO
C-12998
1/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

Pacific Engineers Group
Consulting Electrical Engineers
In Business Since 1978

Y. Danny Ho, PE
President

Jimmy Fong, PE
Vice President

ADDENDUM # 4

ALVARADO INTERMEDIATE SCHOOL

THE FOLLOWING CORRECTIONS, MODIFICATION S OR ADDITIONS SHALL BE INCLUDED IN THE DRAWINGS, SPECIFICATINS AND OTHER CONTRACT DOCUMENTS AND SHALL BE TAKEN INTO CONSIDERATION BY CONTRACTORS IN SUBMITTING BIDS ON THE ABOVE NAMED PROJECT:

1. **Addendum Drawing AD4-E1** (Reference Drawing E-6.1, Signal Floor Plans Bldgs. C1, C3 & C4). The following changes apply to all classrooms in Bldgs C1, C3 and C4. Similar changes shall also apply to all classrooms in Bldgs. C5 & C6.

   1.1. Add wireless access point on each classroom.

   1.2. Change the input configurations on the media cabinet and ceiling video outlets. Add video outlets on toekick of media cabinet.

   1.3. Add (1) video wall mounted video outlet at the teacher's station connected to the ceiling mount video outlet.

   1.4. Change the conduit size and delete VGA cable to the line from the ceiling down to the media cabinet.

2. **Addendum Drawing AD4-E2** (Reference Drawing – E-6.2, Signal Floor Plans, Bldgs. K1A and C2). The following changes apply to all classrooms in Bldgs K1A and C2.

   2.1 Add wireless access point on each classroom.

   2.2 Change the input configurations on the wall and ceiling video outlets.

   2.3 Add (1) video wall mounted video outlet at the alternate teacher's station connected to the ceiling mount video outlet.

   2.4 Change the conduit size and add HDMI cable to the line connecting the wall and ceiling video outlets.

3. **No Addendum Drawing** (Reference Drawing – E-1.0, Symbol List, Fixture Schedule and Notes):

   3.1 Change Type C and Type CE fixtures from Kenall RQPA series to Kenall RQCA series.

4. **No Addendum Drawing** (Reference Drawing – E-2.1, Demolition Site Plan):

11028 Victory Boulevard, Suite 201
North Hollywood, California 91606
www.pacificeng.net
T: (818) 763-9189
F: (818) 763-9180

4.1 This additional note shall apply: Best efforts were done to identify the use of each conduit on top of the walkway canopy. All cables that are still in use were replaced by new cables in underground conduits as shown on Site Plan E2.0. Remove all used and unused conduit on the canopy, whether identified on the drawings or not. If it is not identified on the drawings provide additional 2" undergound conduit from the source to the destinations and provide cables equivalent to the existing cables.

5. **Revision to Addendum 3**: Following paragraphs on Addendum 3 shall read as follows:

SHEET E-5.1:

1. For Classroom Building C1 (4-ACU's), Building C3 (4-ACU's) and Building C4 (4-ACU's):

   There are existing power and EMS conduits and wires to the wall mounted air-conditioning units for the classrooms. These conduits are currently exposed under the canopies. Disconnect these exposed conduits and rewire all the air-conditioning units using conduits and wires with the same size as the existing. Provide new power and **¾ EMS conduits in the attic space inside the building and single ring 4S box (for EMS) on the wall next to the Bard unit..** Penetrate the exterior wall of the building at each air-conditioning unit to re-feed all the air-conditioning units.

SHEET E-5.3:

1. For Classroom Building C5 (4-ACU's) and Building C6 (4-ACU's):

   There are existing power and EMS conduits and wires to the wall mounted air-conditioning units for the classrooms. These conduits are currently exposed under the canopies. Disconnect these exposed conduits and rewire all the air-conditioning units using conduits and wires with the same size as the existing. Provide new power and **¾ EMS conduits in the attic space inside the building and single ring 4S box (for EMS) on the wall next to the Bard unit**.. Penetrate the exterior wall of the building at each air-conditioning unit to re-feed all the air-conditioning units.

END OF ADDENDUM

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North Hollywood, California 91606

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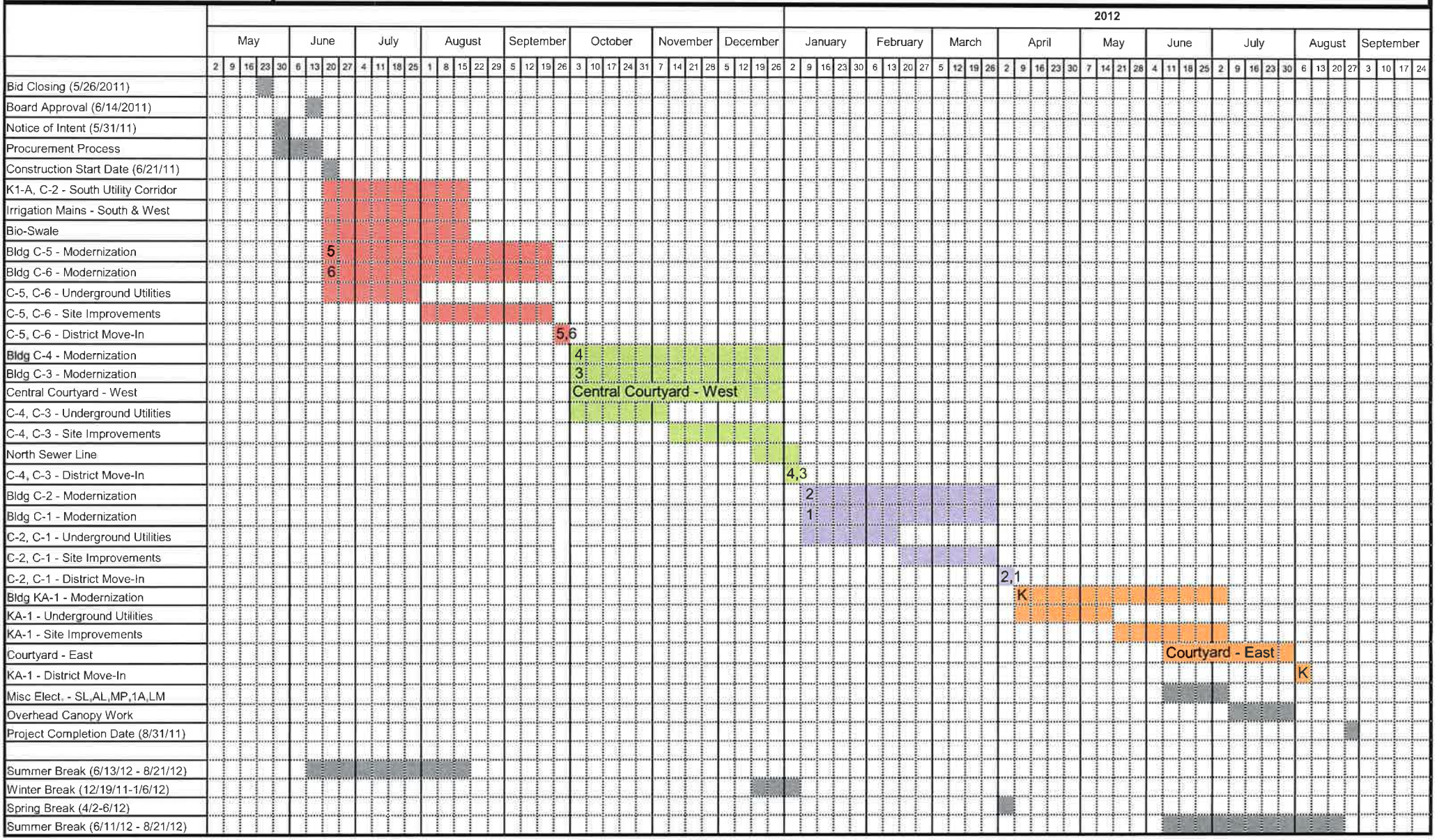
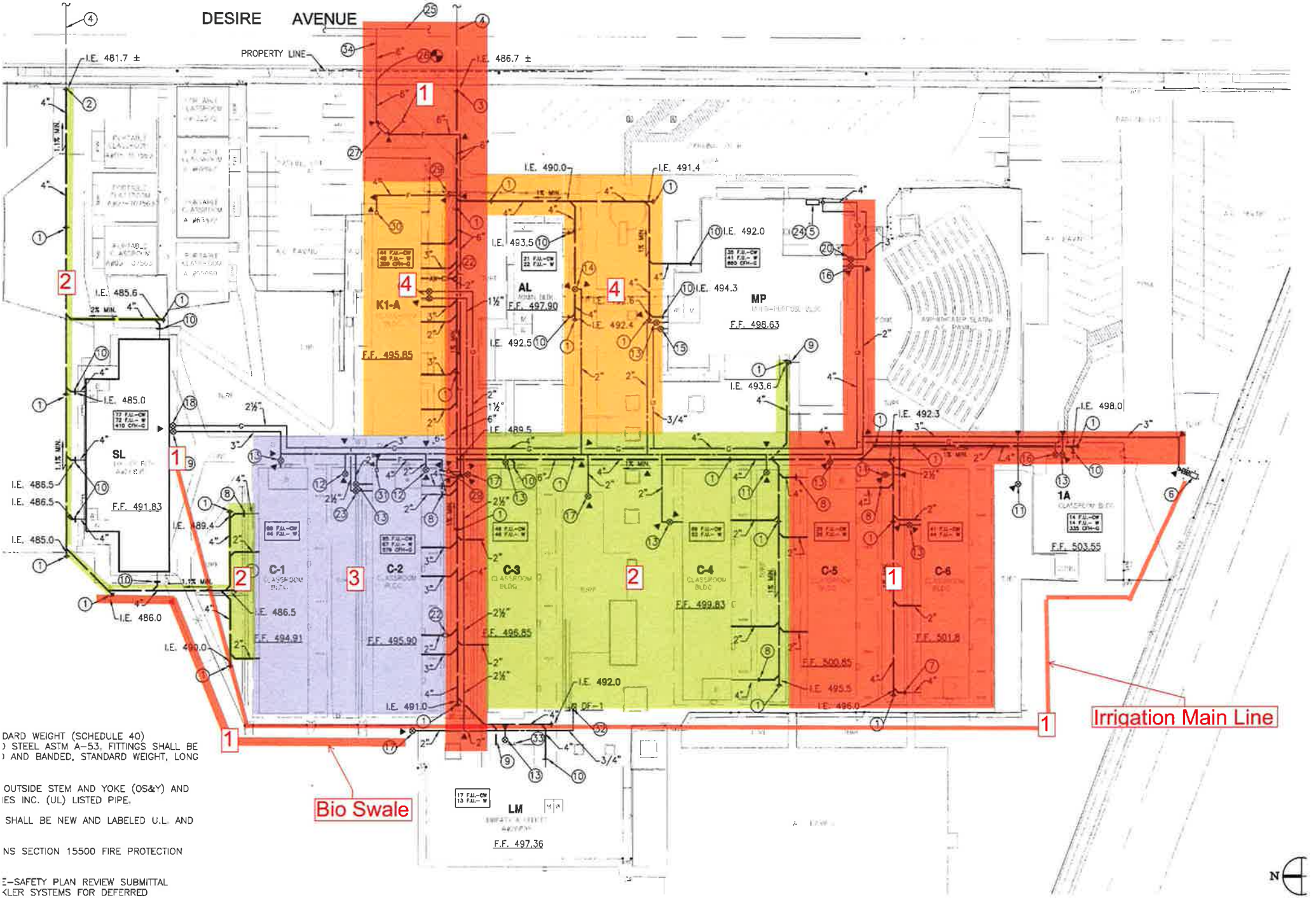
F: (818) 763-9180

Milestone Schedule

RUSD - Alvarado I.S.



BAR CHART



DARD WEIGHT (SCHEDULE 40)
) STEEL ASTM A-53. FITTINGS SHALL BE
) AND BANDED, STANDARD WEIGHT, LONG

OUTSIDE STEM AND YOKE (OS&Y) AND
IES INC. (UL) LISTED PIPE.

SHALL BE NEW AND LABELED U.L. AND

NS SECTION 15500 FIRE PROTECTION

E-SAFETY PLAN REVIEW SUBMITTAL
KLER SYSTEMS FOR DEFERRED
IREMENTS.

PHASING PLAN

SECTION 08710
DOOR HARDWARE

THE REQUIREMENTS OF THE GENERAL CONDITION, SUPPLEMENTARY GENERAL CONDITIONS, AND DIVISION 1 APPLY TO THIS SECTION.

PART 1: GENERAL

1.01 SUMMARY

A. Section Includes:

1. Door Hardware for new classroom entry doors, new science classroom doors, new hardware for existing exterior admin building door, lab prep room doors and lab materials storage doors.
2. Locking hardware for chainlink gate between parking lot and schoolground.

B. Related Sections:

1. Section 06200 - Finish Carpentry: Finish Hardware Installation
2. Section 07900 - Joint Sealers – exterior thresholds
3. Section 08100 - Metal Doors and Frames
4. Section 08300 – Wood Doors

C. Specific Omissions: Hardware for the following is specified or indicated elsewhere.

1. Windows.
2. Cabinets, including open wall shelving and locks.
3. Rough hardware.

1.02 REFERENCES:

A. Use date of standard in effect as of Bid date.
B. American National Standards Institute – ANSI 156.18 – Materials and Finishes.
C. BHMA – Builders Hardware Manufacturers Association
D. DHI – Door and Hardware Institute
E. UL – Underwriters Laboratories

1. UL10C – Positive Pressure Fire Tests of Door Assemblies.
2. UL 305 – Panic Hardware

F. WHI – Warnock Hersey Incorporated State of California Building Code
G. Local applicable codes
H. SDI – Steel Door Institute

1.03 SUBMITTALS & SUBSTITUTIONS

A. SUBMITTALS: Submit six copies of schedule per Section 01330. Organize vertically formatted schedule into "Hardware Sets" with index of doors and headings, indicating complete designations of every item required for each door or opening. Include following information:
   1. Type, style, function, size, quantity and finish of hardware items.
   2. Use BHMA Finish codes per ANSI A156.18.
   3. Name, part number and manufacturer of each item.
   4. Fastenings and other pertinent information.
   5. Location of hardware set coordinated with floor plans and door schedule.
   6. Explanation of abbreviations, symbols, and codes contained in schedule.
   7. Mounting locations for hardware.
   8. Door and frame sizes, materials and degrees of swing.
   9. List of manufacturers used and their nearest representative with address and phone number.
   10. Catalog cuts.

B. Discontinued items: Bid and submit manufacturer's updated/improved item if scheduled item is discontinued.

C. Deviations: Highlight, encircle or otherwise identify deviations from this section on submittal with notations clearly designating those portions as deviating from this section.

D. If discrepancy between drawings and scheduled material in this section, bid the more expensive of the two choices, note the discrepancy in the submittal and request direction from Architect for resolution.

E. Substitutions: per Division 1. Include product data and indicate benefit to the Project. Furnish operating samples on request.

   1. Items listed with no substitute manufacturers have been requested by Owner to meet existing standard.

F. Furnish as-built/as-installed schedule with closeout documents, including keying schedule, wiring diagrams, manufacturers' installation, adjustment and maintenance information, and supplier's final inspection report.

1.04 QUALITY ASSURANCE:

A. Qualifications:

   1. Hardware supplier: direct factory contract supplier who employs or retains a certified architectural hardware consultant (AHC), available at reasonable times during course of work for project hardware consultation to Owner, Architect and Contractor.

      a) Responsible for site conditions survey, detailing, scheduling and ordering of finish hardware. Detailing implies that the submitted schedule of material is correct and complete for the intended function and performance of the openings.

B. Hardware: Free of defects, blemishes and excessive play. Obtain each kind of hardware (latch and locksets, exit devices, hinges and closers) from one manufacturer.

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

D. Fire-Rated Openings: NFPA 80 compliant. Hardware UL10C / UBC Standard 7-2 (positive pressure) compliant for given type/size opening and degree of label. Provide proper latching hardware, non-flaming door closers, approved-bearing hinges, and resilient seals. Coordinate with wood door section for required intumescent seals. Furnish openings complete.

1. Note: scheduled resilient seals may exceed selected door manufacturer's requirements.
2. See 2.6.E for added information regarding resilient and intumescent seals.

E. Furnish hardware items required to complete the work in accordance with specified performance level and design intent, complying with manufacturers' instructions.

1. Where scheduled item is now obsolete, bid and furnish manufacturer's updated item at no additional cost to the project.

1.05 DELIVERY, STORAGE AND HANDLING:

A. Delivery: coordinate delivery to appropriate locations (shop or field).

1. Permanent keys and cores: secured delivery direct to Owner's representative.

B. Acceptance at Site: Items individually packaged in manufacturers' original containers, complete with proper fasteners and related pieces. Clearly mark packages to indicate contents, locations in hardware schedule and door numbers.

C. Storage: Provide securely locked storage area for hardware, protect from moisture, sunlight, paint, chemicals, dust, excessive heat and cold, etc.

1.06 PROJECT CONDITIONS AND COORDINATION:

A. Where exact types of hardware specified are not adaptable to finished shape or size of members requiring hardware, provide suitable types having as nearly as practical as the same operation and quality as type specified, subject to Architect's approval.

1. With the submittal, Contractor certifies that the submitted material is applicable and compatible with the new and existing doors and frames.

B. Coordination: Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents. Furnish related trades with the following information:

1. Location of items embedded in or attached to concrete.

2. Location of wall-mounted hardware, including wall stops.

3. Location of finish floor materials and floor-mounted hardware.

4. Locations for conduit and raceways as needed for electrical, electronic and electro-pneumatic hardware items. Fire/life-safety system interfacing. Point-to-point wiring diagrams plus riser diagrams to related trades.

5. Manufacturer templates to door and frame fabricators.

C. Check Shop Drawings for doors and entrances to confirm that adequate provisions will be made for proper hardware installation.

1.07 WARRANTY:

A. Part of respective manufacturers' regular terms of sale. Provide manufacturers' written warranties:

1.	Locksets:	Three years.
3.	Exit Devices:	Three years.
4.	Closers:	Ten years.
5.	Hinges:	Life of bldg.
6.	Other Hardware:	Two years.

1.08 COMMISSIONING:

A. Conduct these tests prior to request for certificate of substantial completion:

1. With installer present, test door hardware operation with climate control system both at rest and while in full operation.

1.09 REGULATORY REQUIREMENTS:

A. Locate latching hardware between 34 inches to 44 inches above the finished floor, per California Building Code, Section 1008.1.9.2 and 1133B.2.5.2.

1. Locate panic hardware between 36 inches to 44 inches above the finished floor.

B. Handles, pull, latches, locks, other operating devices: readily openable from egress side without tight grasping, tight pinching, or twisting of the wrist to operate. California Building Code 1133B.2.5.2.

C. Adjust doors to open with not more than 5.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors. As allowed per California Building Code, Section 1133B.2.5 and 1008.1.3, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15-pounds.

1. Door latch shall release when subjected to a 15-pound force.

2. Door shall be set in motion when subjected to a 30-pound force.

3. Door shall swing to a full-open position when subjected to a 15-pound force.

D. Adjust door closer sweep periods so that from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the landing side of the door, per California Building Code Section 1133B.2.5.1.

E. Smooth surfaces at bottom 10 inches of push sides of doors, facilitating push-open with wheelchair footrests, per California Building Code Section 1133B.2.6.

F. Door opening clear width no less than 32 inches, measured from face of frame stop, or edge of inactive leaf of pair of doors, to door face with door opened to 90 degrees. Hardware projection not a factor in clear width if located above 30 inches and the hardware projects no more than 4 inches. California Building Code Section 1133B.2.2, 1133B.2.3, and 1008.1.1.

1. Exception: doors not requiring full passage through the opening, that is, to spaces less than 24 inches in depth, may have the clear opening width reduced to 20 inches. Example: shallow closets.

G. Door opening clear height no less than 80 inches measured from top of sill to bottom of frame header stop. Projections into clear opening height not to exceed 4 inches. California Building Code Section 1133B.2.2 and 1008.1.1.

H. Thresholds: floor or landing no more than 0.50 inches below the top of the threshold of the doorway. Change in level between 0.25 inches and 0.50 inches: beveled to slope no greater than 1:2 (50 percent slope). California Building Code Section 1133B.2.4.1.

1. Existing conditions, where DSA determines unreasonable hardship, may be mitigated with a maximum 0.75 inches threshold with slope no greater than 1:2 (50 percent slope). DSA Policy #8.22.a.

I. Floor stops: Do not locate in path of travel. Locate no more than 4 inches from walls, per DSA Policy #99-08 (Access).

J. Pairs of doors: limit swing of inactive leaf to 90 degrees to protect persons reading wall-mounted tactile signage.

K. Meet California Building Code Sections 1133B.2.1, 1133B.2.5 and 1008.1.8.

L. Exit Devices:

1. Panic hardware shall comply with CBC Section 1008.1.9 (consider that if the device is mounted lower than 36 inches AFF, the clear opening may be restricted to less than the 32 inches required clear opening). Panic bar shall be mounted 36 inches to 44 inches above finished floor surface.

2. The unlatching force shall not exceed 15-pounds applied in the direction of travel.

PART 2: PRODUCTS

2.01 MANUFACTURERS:

A. Listed acceptable alternate manufacturers: submit for review products with equivalent function and features of scheduled products.

ITEM:	MANUFACTURER:	ACCEPTABLE SUB:
Continuous Hinges	(IVE) Ives	Markar
Key System	(SCH) Schlage	District Standard
Locks	(SCH) Schlage	District Standard
Exit Devices	(VON) Von Duprin	District Standard
Closers	(LCN) LCN	District Standard
Kickplates	(IVE) Ives	Trimco, Rockwood
Stops & Holders	(IVE) Ives	Trimco, Rockwood
Thresholds	(NGP) National Guard	Pemko, Reese, Zero
Seals & Bottoms	(NGP) National Guard	DHSI, Reese, Zero

2.02 HINGING METHODS:

A. Drawings typically depict doors at 90 degrees, doors will actually swing to maximum allowable. Use wide-throw conventional or continuous hinges as needed up to 8 inches in width to allow door to stand parallel to wall for true 180-degree opening. Advise architect if 8-inch width is insufficient.

B. Refer to manufacturer's published hinge selection standard for door dimensions, weight and frequency, as well as the hinge selection as scheduled in these hardware groups. Where manufacturer's standard exceeds the scheduled product, furnish the heavier of the two choices, notify Architect of deviation from scheduled hardware.

D. Continuous Hinges:

1. Pinned steel/stainless steel type: continuous stainless steel, 0.25-inch diameter stainless-steel hinge pin.

a) Use engineered application-specific wide-throw units as needed to provide maximum swing degree of swing, advise architect if required width exceeds 8 inches.

2.03 LOCKSETS AND LATCHSETS:

A. Mortise Locks and Latches: as scheduled.

1. Chassis: cold-rolled steel, handing field-changeable without disassembly.
2. Latchbolts: 3/4 inch throw stainless steel anti-friction type.
3. Lever Trim: through-bolted, accessible design, cast lever or solid extruded bar type levers as scheduled. Filled hollow tube design unacceptable.

a) Spindles: security design independent breakaway. Breakage of outside lever does not allow access to inside lever's hubworks to gain wrongful entry.

4. Furnish solid cylinder collars with wave springs. Wall of collar to cover rim of mortise cylinder.

5. At exterior doors to occupied spaces, furnish locksets that afford "safe-school" function, where faculty/staff can secure the door from inside the room without opening the door.

6. Strikes: 16 gage curved steel, bronze or brass with 1 inch deep box construction, lips of sufficient length to clear trim and protect clothing.

7. Scheduled Lock Series and Design: Schlage L series, 06A or 06L design as scheduled.

8. Certifications:

a) ANSI A156.13, 1994, Grade 1 Operational, Grade 1 Security.

b) ANSI/ASTM F476-84 Grade 31 UL Listed.

2.04 EXIT DEVICES / PANIC HARDWARE

A. General features:

1. Independent lab-tested 1,000,000 cycles.
2. At exterior doors to occupied spaces, furnish devices that afford "safe-school" function, where faculty/staff can secure the door from inside the room without opening the door.
3. Push-through push-pad design. No exposed push-pad fasteners, no exposed cavities when operated. Return stroke fluid dampeners and rubber bottoming dampeners, plus anti-rattle devices.
4. 0.75-inch throw deadlocking latchbolts.
5. End caps: impact-resistant, flush-mounted. No raised edges or lips to catch carts or other equipment.
6. Non-Fire Rated Devices: cylinder dogging.
7. Non-handed basic device design with center case interchangeable with all functions, no extra parts required to effect change of function.
8. Releasable in normal operation with 15-lb. maximum operating force per UBC Standard 10-4, and with 32 lb. maximum pressure under 250-lb. load to the door.
9. Flush end cap design as opposed to typical "bottle-cap" design end cap.
10. Comply with CBC Section 1003.3.1.9.

2.05 CLOSERS

A. Surface Closers:

1. Full rack-and-pinion type cylinder with removable non-ferrous cover and cast iron body. Double heat-treated pinion shaft, single piece forged piston, chrome-silicon steel spring.
2. ISO 2000 certified. Units stamped with date-of-manufacture code.
3. Independent lab-tested 10,000,000 cycles.
4. Non-sized, non-handed, and adjustable. Place closer inside building, stairs, and rooms.

5. Furnish plates, brackets and special templating when needed for interface with particular header, door and wall conditions and neighboring hardware. Furnish extended arms where needed with wide-throw hinges to allow maximum door swing.
6. Adjustable to open with not more than 5.0lbs pressure to open at exterior doors and 5.0lbs at interior doors. As allowed per California Building Code, Section 1133B.2.5, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15lbs.
7. Separate adjusting valves for closing speed, latching speed and backcheck, fourth valve for delayed action where scheduled.
8. Extra-duty arms (EDA) at exterior doors scheduled with parallel arm units.
9. Exterior door closers: tested to 100 hours of ASTM B117 salt spray test, furnish data on request.
10. Exterior doors do not require seasonal adjustments in temperatures from 120 degrees F to –30 degrees F, furnish data on request.
11. Non-flaming fluid, will not fuel door or floor covering fires.
12. Pressure Relief Valves (PRV) not permitted.

2.06 OTHER HARDWARE

A. Kick Plates: Four beveled edges, .050 inches minimum thickness, height and width as scheduled. Sheet-metal screws of bronze or stainless steel to match other hardware.

B. Door Stops: Provide stops to protect walls, casework or other hardware.

1. Unless otherwise noted in Hardware Sets, provide floor type with appropriate fasteners. Where floor type cannot be used, provide wall type. If neither can be used, provide overhead type.

C. Seals: Four-fingered type at head & jambs. Inelastic, rigid back, not subject to stretching. Self-compensating for warp, thermal bow, and out-of-plumb. Adhesive warranted for life of installation.

1. Proposed substitutions: submit for approval.

2. Three-fingered type at hinge jambs of doors fitted with continuous hinges where jamb leaf of hinge is fastened to the frame reveal.

D. Thresholds: As scheduled and per details. Comply with CBC Section 1133B.2.4.1. Substitute products: certify that the products equal or exceed specified material's thickness. Proposed substitutions: submit for approval.

1. Exteriors: Seal perimeter to exclude water and vermin. Use exterior-grade sealant complying with requirements in Division 7 "Thermal and Moisture Protection". 1/4inch fasteners and lead expansion shield anchors, or Flat Head Sleeve Anchors (FHSL).
2. Plastic plugs with wood or sheet metal screws are not an acceptable substitute for specified fastening methods.

E. Fasteners: Generally, exposed screws to be Phillips or Robertson drive. Pinned TORX drive at high security areas. Flat head sleeve anchors (FHSL) may be slotted drive. Sheet metal and wood screws: full-thread. Sleeve nuts: full length to prevent door compression.

F. Exposed Through-Bolts: Do not use SNB, grommet nuts, sleeve nuts or other such clamping type fasteners, intent is for minimal exposed hardware. Coordinate with metal doors and frames; ensure provision of proper reinforcement to support machine screws for mounting panic hardware and door closers.

2.07 FINISH:

A. Generally BHMA 626 Satin Chromium.

1. Areas using BHMA 626 to have push-plates, pulls and protection plates of BHMA 630, Satin Stainless Steel, unless otherwise noted.

B. Door closers: factory powder coated to match other hardware, unless otherwise noted.

C. Aluminum items: match predominant adjacent material. Seals to coordinate with frame color.

2.08 KEYING REQUIREMENTS:

A. Key System: Furnish Schlage large-format interchangeable cores keyed-alike for use during construction. Owner will provide and install permanent cores after Substantial Completion. Construction cores remain District's property.

1. Furnish 10 construction keys.
2. Furnish 2 construction control keys.

C. Key Cylinders: furnish utility patented, 6-pin solid brass construction.

PART 3: EXECUTION

3.01 ACCEPTABLE INSTALLERS:

A. Can read and understand manufacturers' templates, supplier's hardware schedule and printed installation instructions. Can readily distinguish drywall screws from manufacturers' furnished fasteners. Available to meet with manufacturers' representatives and related trades to discuss installation of hardware.

3.02 PREPARATION:

A. Ensure that walls and frames are square and plumb before hardware installation. Make corrections before commencing hardware installation.

B. Locate hardware per SDI-100 and applicable building, fire, life-safety, accessibility, and security codes.

1. Notify Architect of code conflicts before ordering material.
2. Locate levers, key cylinders, t-turn pieces, touchbars and other operable portions of latching hardware between 30 inches to 44 inches above the finished floor, per CBC Section 1133B.2.5.1.

3. Where new hardware is to be installed near existing doors/hardware scheduled to remain, match locations of existing hardware.

C. Overhead stops: before installing, determine proposed locations of furniture items, fixtures, and other items to be protected by the overhead stop's action.

3.03 INSTALLATION

A. Install hardware per manufacturer's instructions and recommendations. Do not install surface-mounted items until finishes have been completed on substrate. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate for proper installation and operation. Remove and reinstall or replace work deemed defective by Architect.

1. Gaskets: Install sweeps across bottoms of doors before continuous hinges and astragals, cope sweeps around bottom pivots, trim continuous hinges and astragals to tops of sweeps.
2. When hardware is to be attached to existing metal surface and insufficient reinforcement exists, use RivNuts, NutSerts or similar anchoring device for screws.
3. Use manufacturers' fasteners furnished with hardware items, or submit Request for Substitution with Architect.
4. Replace fasteners damaged by power-driven tools.

B. Locate floor stops no more that 4 inches from walls and not within paths of travel. See paragraph 2.2 regarding hinge widths, door should be well clear of point of wall reveal. Point of door contact no closer to the hinge edge than half the door width. Where situation is questionable or difficult, contact Architect for direction.

C. Core concrete for exterior door stop anchors. Set anchors in approved non-shrink grout.

D. Locate overhead stops for minimum 90 degrees and maximum allowable degree of swing.

E. Drill pilot holes for fasteners in wood doors and/or frames.

F. Remove existing floor closers not scheduled for reuse, fill cavities with concrete and finish smooth.

G. At doors where a floor stop cannot be used, request direction from Architect.

3.04 ADJUSTING

A. Adjust and check for proper operation and function. Replace units, which cannot be adjusted to operate freely and smoothly.

1. Hardware damaged by improper installation or adjustment methods to be repaired or replaced to Owner's satisfaction.
2. Adjust doors to fully latch with no more than 1 pound of pressure.
3. Adjust delayed-action closers on fire-rated doors to fully close from fully-opened position in no more than 10 seconds.

B. Inspection: Use hardware supplier. Include supplier's report with closeout documents.

C. Final inspection: Installer to provide letter to Owner that upon completion installer has visited the Project and accomplished the following:

1. Re-adjust hardware.
2. Evaluate maintenance procedures and recommend changes or additions, and instruct Owner's personnel.
3. Identify items that have deteriorated or failed.
4. Submit written report identifying problems

3.05 DEMONSTRATION:

A. Demonstrate mechanical hardware and electrical, electronic and pneumatic hardware systems, including adjustment and maintenance procedures.

3.06 PROTECTION/CLEANING:

A. Cover installed hardware, protect from paint, cleaning agents, weathering, carts/barrows, etc. Remove covering materials and clean hardware just prior to substantial completion. Remove paint from hardware.

B. Clean adjacent wall, frame and door surfaces soiled from installation/reinstallation process.

3.07 SCHEDULE OF FINISH HARDWARE

A. See door schedule in drawings for hardware set assignments.

SPECWORKS # 112527-B7Q53UKKR

HW SET: 01-LK EXT CLSSRM ENTRY: L9077 LOCKSET

1	EA	WIDE-THROW CONTINOUS HINGE	HS-303-WT	630	MAR
1	EA	SECURITY CLSSRM LCK	L9077T LLL/06A L283-150	630	SCH
2	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	DOOR PULL	VR900	630	IVE
1	EA	SURFACE CLOSER	4041 HEDA	689	LCN
1	EA	KICK PLATE	KO050 10" X 2"LDW	630	TRI
1	EA	FLR STOP + BASE ANCH	1214CK X 1268CK	626	TRI
1	EA	DOOR CAP	541SS	630	NGP
1	SET	PERIMETER SEAL	105-B/105-3HJ-B HEAD&JAMBS	BRN	DHS
1	EA	DOOR SWEEP	200N	628	NGP
1	EA	CAP SWEEP/SHOE	CS		DHS
2	EA	BTM CORNER SEAL	DP		DHS
1	EA	THRESHOLD	PER DETAIL, COMBO/FHSL	719	
3	EA	SILENCER	SR64	GRY	IVE
3	EA	HINGE/PIVOT FILLER	F542 (V.I.F. SIZE REQ'D, OMIT @ NEW FRM)	600	SBH

REMOVE EXSTG FLOOR CLOSER, FILL CAVITY WITH NON-SHRINK CONCRETE, TROWEL SMOOTH. INSTALL WEATHERSTRIP HEAD & JAMBS BEFORE INSTALLING CLOSER. FASTEN CLOSER BRACKET OVER AND THROUGH THE WEATHERSTRIP HOUSING. DO NOT CUT THE WEATHERSTRIP AROUND THE BRACKET.

HW SET: 01-PH EXT CLSSRM ENTRY: 98NLOP PH

1	EA	WIDE-THROW CONTINOUS HINGE	HS-303-WT	630	MAR
1	EA	PANIC HARDWARE	CDXP98NL-OP	626	VON
1	EA	IC RIM CYL	20-057 ICX	626	SCH
1	EA	MORTISE CYLINDER	20-061 XQ11-948 ICX (DOGGING)	626	SCH
2	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	DOOR PULL	VR910NL	630	IVE
1	EA	SURFACE CLOSER	4041 HEDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	FLR STOP + BASE ANCH	1214CK X 1268CK	626	TRI
1	EA	DOOR CAP	541SS	630	NGP
1	SET	PERIMETER SEAL	105-B/105-3HJ-B HEAD&JAMBS	BRN	DHS
1	EA	DOOR SWEEP	200N	628	NGP
2	EA	BTM CORNER SEAL	DP		DHS
1	EA	THRESHOLD	PER DETAIL, COMBO/FHSL	719	
3	EA	SILENCER	SR64	GRY	IVE
1	EA	STRIKE FILLER	4478 (@ 01A ONLY)	600	SBH
1	EA	BLANK WRAP-AROUND	90-CW (@ 01A ONLY)	630	DON
3	EA	HINGE/PIVOT FILLER	F542 (V.I.F. SIZE REQ'D, OMIT @ NEW FRM)	600	SBH

REMOVE EXSTG FLOOR CLOSER, FILL CAVITY WITH NON-SHRINK CONCRETE, TROWEL SMOOTH. INSTALL WEATHERSTRIP HEAD & JAMBS BEFORE INSTALLING CLOSER AND P.H. STRIKE. FASTEN CLOSER BRACKET AND P.H. STRIKE OVER AND THROUGH THE WEATHERSTRIP HOUSING. DO NOT CUT THE WEATHERSTRIP AROUND THE BRACKET OR THE STRIKE.

HW SET: 02 INT COMMUNICATING DOOR

3	EA	HINGE	3CB1 4.5 X 4.0	652	IVE
1	EA	STORE LOCK	L9466T 06L	626	SCH
2	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4041 HEDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	DOME STOP	FS436 / FS438	626	IVE
1	SET	PERIMETER SEAL	105-B/105-3HJ-B HEAD&JAMBS	BRN	DHS
1	EA	CAP SWEEP/SHOE	CS		DHS
2	EA	BTM CORNER SEAL	DP		DHS
1	EA	THRESHOLD	513 COMBO	719	NGP
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 03 INT LAB PREP ROOM

3	EA	HINGE	3CB1 4.5 X 4.0	652	IVE
1	EA	CLASSROOM LOCK	L9070T 06L	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4041 HEDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	DOME STOP	FS436 / FS438	626	IVE
1	SET	PERIMETER SEAL	105-B/105-3HJ-B HEAD&JAMBS	BRN	DHS
1	EA	CAP SWEEP/SHOE	CS		DHS
2	EA	BTM CORNER SEAL	DP		DHS
1	EA	THRESHOLD	513 COMBO	719	NGP
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 04 LAB PREP RM STG

3	EA	HINGE	3CB1 4.5 X 4.0	652	IVE
1	EA	CLASSROOM LOCK	L9070T 06L	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	DOME STOP	FS436 / FS438	626	IVE
1	SET	PERIMETER SEAL	105-B/105-3HJ-B HEAD&JAMBS	BRN	DHS
1	EA	CAP SWEEP/SHOE	CS		DHS
1	EA	THRESHOLD	513 COMBO	719	NGP

HW SET: 05 EXT UTILITY, UNEQUAL LEAFS (@ SHOWER/LOCKER BLDG)

1	EA	WIDE-THROW CONTINOUS HINGE	HS-303-WT	630	MAR
1	EA	CHAIN BOLT	514.00036 42" CHAIN L/TOP STK	600	RIC
1	EA	CANE BOLT	524.00021	602	RIC
1	EA	CHAIN BOLT TOP STK	299	BLK	VON
1	EA	STOREROOM LOCK	L9080T 06L	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	DOOR PULL	VR900LLP	630	IVE
2	EA	HYDRAULIC CHECK	4041 HEDA ST2687	689	LCN
2	EA	KICKPLATE	8400 10" X 1.0" LDW	630	IVE
2	EA	HD FLOOR STOP	FS18L	BLK	IVE
1	SET	PERIMETER SEAL	105-B/105-3HJ-B HEAD&JAMBS	BRN	DHS
2	EA	CAP SWEEP/SHOE	CS		DHS
2	EA	BTM CORNER SEAL	DP		DHS
1	EA	HD THRSHLD	513HD COMBO	719	NGP
2	EA	SILENCER	SR64	GRY	IVE
6	EA	HINGE/PIVOT FILLER	F542 (V.I.F. SIZE REQ'D, OMIT @ NEW FRM)	600	SBH

DOORS RECEIVE DIRECT SUN EXPOSURE AND WILL NOT BE SUPPORTED BY WARRANTY FOR EXTERIOR WOOD DOORS. OTHER DOORS THIS PROJECT ARE SHELTERED.

HW SET: 06 INT STG/IDF RM: NO WORK

		HINGES	H: REUSE EXISTING		EXI
		LOCKSET	L: REUSE EXISTING		EXI
1	SET	PERIMETER SEALS	105 HEAD AND JAMBS	BLK	DHS
1	EA	CUSTOM STRIKE	3-1/4" UNITLOCK PREP	630	SBH

EXSTG LOCK: SCH ND80 RHO

HW SET: 07 INT STG: REVERSE DR SWING EXSTG FRAME FROM INSWING TO OUTSWING

1	*EA*	*CONTINUOUS HINGE*	*HS-303*	*630*	*MAR*
1	*EA*	*PANIC HARDWARE*	*22L*	*689*	*VON*
1	*EA*	*IC MORTISE CYL*	*20-061 ICX*	*626*	*SCH*
1	*EA*	*HYDRAULIC CHECK*	*4041 SHCUSH ST2687*	*689*	*LCN*
1	*SET*	*PERIMETER SEALS*	*105 HEAD AND JAMBS*	*BLK*	*DHS*
3	*EA*	*SILENCER*	*SR64*	*GRY*	*IVE*
1	*EA*	*CUSTOM STK FILLER*	*3-1/4" UNITLOCK PREP*	*600*	*SBH*
3	*EA*	*HINGE/PIVOT FILLER*	*F542 (V.I.F. SIZE REQ)*	*600*	*SBH*

REMOVE EXSTG FIRE LABEL FROM EXSTG HM FRAME. SWING NEW DOOR IN EXSTG FRAME FROM INSWINGING TO OUTSWING.
ECONOMY PANIC HARDWARE DEVICE USED ONLY FOR EASE OF INSTALLATION AND TO AVOID CUTTING NEW STRIKE PLATE IN EXSTG HM FRAME. THERE IS OTHERWISE NO CODE REQUIREMENT FOR PH.

HW SET: 08 EXT UTILITY RM: NEW HMD IN EXSTG HMF

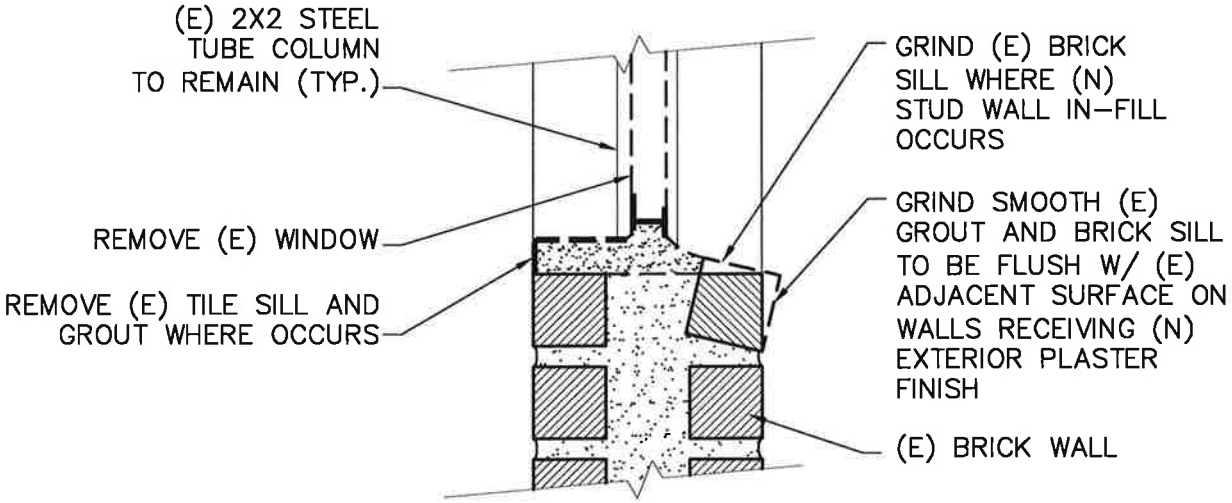
1	EA	WIDE-THROW CONTINOUS HINGE	HS-303-WT	630	MAR
1	EA	STOREROOM LOCK	L9080T LLL/06A	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	DOOR PULL	VR900	630	IVE
1	EA	HYDRAULIC CHECK	4041 HEDA ST2687	689	LCN
1	EA	KICK PLATE	KO050 10" X 2"LDW	630	TRI
1	EA	FLR STOP + BASE ANCH	1214CK X 1268CK	626	TRI
1	SET	PERIMETER SEAL	105-B/105-3HJ-B HEAD&JAMBS	BRN	DHS
1	EA	CONCLD BTM SEAL	AMDB3 + CC	719	DHS
1	EA	THRESHOLD	513 COMBO	719	NGP
3	EA	SILENCER	SR64	GRY	IVE
3	EA	HINGE/PIVOT FILLER	F542 (V.I.F. SIZE REQ'D, OMIT @ NEW FRM)	600	SBH

HW SET: "GATELK" SITE GATE W/ LOCKSET, @ PARKING LOT

1	EA	SECURITY CLSSRM LCK	L9077T LLL/06A L283-150	630	SCH
2	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	DOOR PULL	VR900	630	IVE
2	EA	GATE CLOSER	"KANT-SLAM"	BLK	KAN
1	EA	GATE STOP/HOLDER	1260 SERIES + 1260P (NEED 3/4"PIPE)	626	TRI
1	EA	GATE BOX	K-BXMOR SERIES	600	KEE

HINGING/PIVOTING DEVICES: PART OF CHAIN LINK GATE FABRICATION PACKAGE.

END OF SECTION



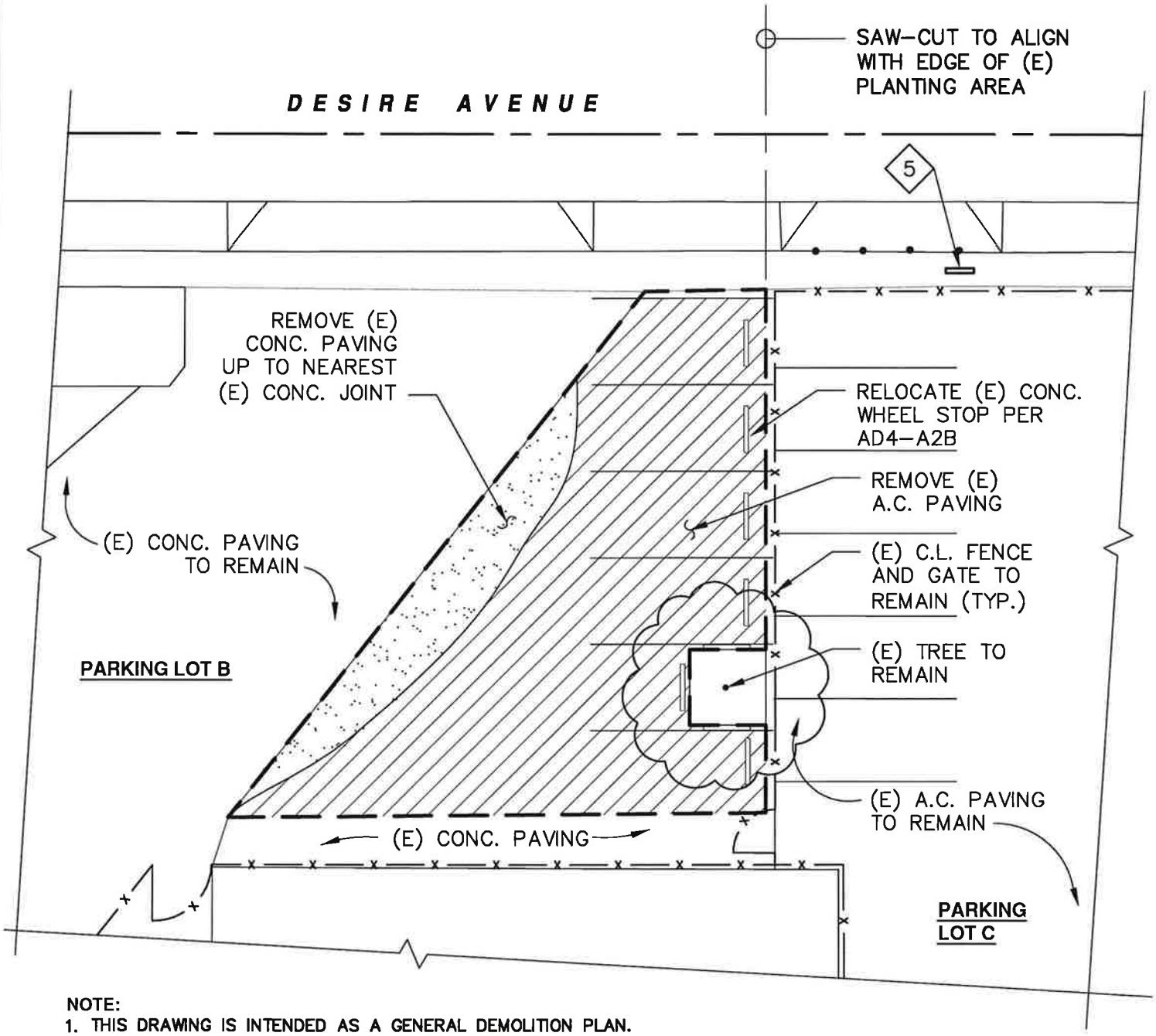
TYPICAL (E) WINDOW SILL DEMOLITION

SCALE: 1 1/2" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A1 DATE: 5/10/2011



NOTE:

1. THIS DRAWING IS INTENDED AS A GENERAL DEMOLITION PLAN. CONTRACTOR SHALL INCLUDE ALL OTHER INCIDENTAL DEMOLITION NOT SPECIFICALLY INDICATED ON THIS PLAN BUT REQ'D TO ACCOMPLISH ALL WORK.

LICENSED ARCHITECT
HENRY H. WOO
C-12058
1/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

NORTH

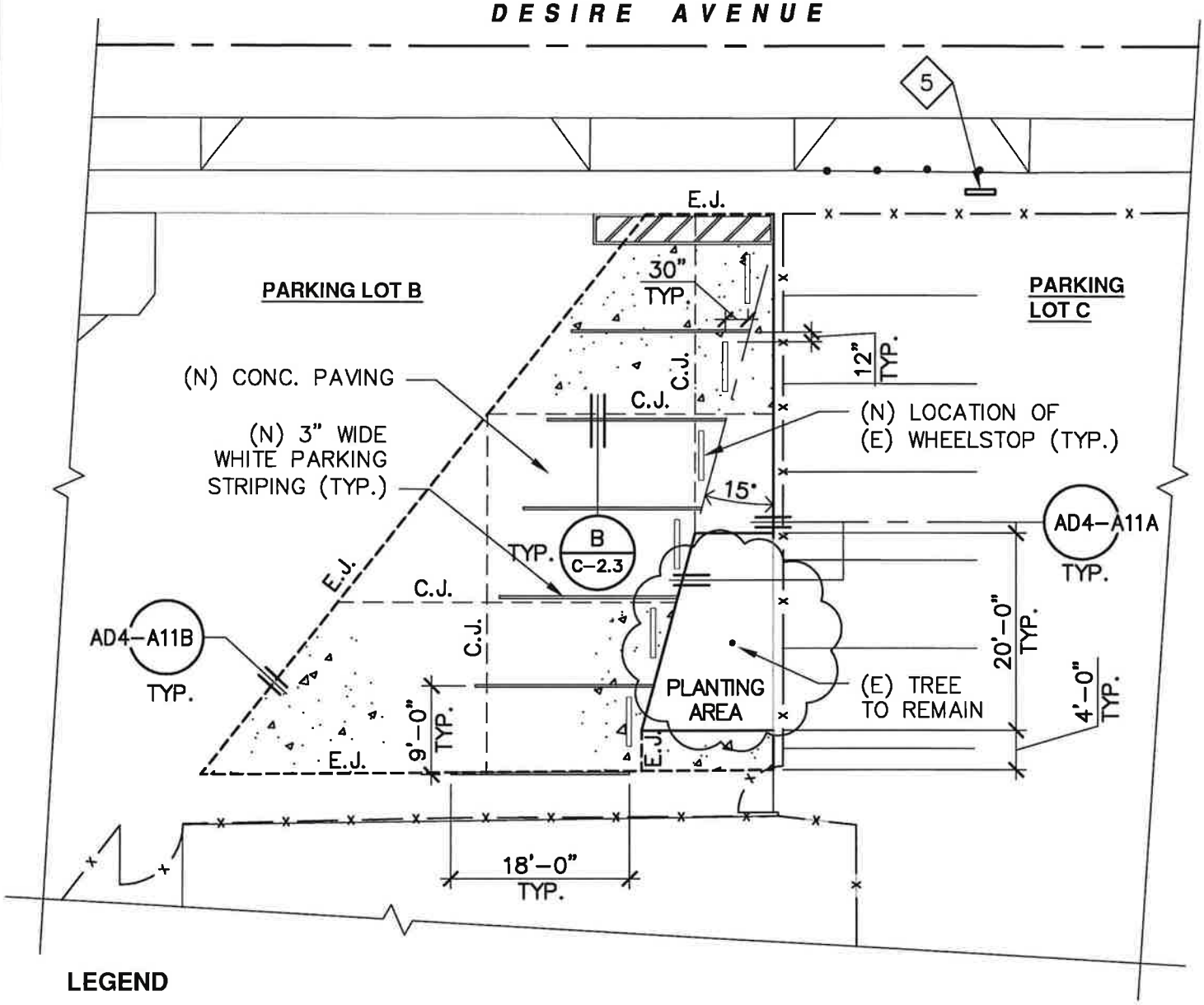
PARTIAL DEMOLITION PAVING PLAN AT PARKING LOT B

SCALE: 1/16" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A2A DATE: 5/10/2011



LEGEND

__E.J.__ EXPANSION JOINT (TYP.)

_C.J._ CONTROL JOINT (TYP.)

NOTE:

1. ALL (N) CONC. PAVING IN DRIVEWAY/PARKING AREA SHALL BE 6" (fc=3,500 psi) OVER 4" COARSE AGGREGATE BASE W/ #4 @ 18" O.C. EA. WAY.
2. PROVIDE TYP. CONTROL JOINT @ 15'–0" MAX. EA. WAY FOR ALL EXT. CONC. FLAT WORK, UNLESS NOTED OTHERWISE.
3. PROVIDE EXPANSION JOINTS WHERE CONC. PAVING MEETS WALLS OR VERTICAL SURFACES AS SHOWN ON PLAN.

LICENSED ARCHITECT HENRY H. WOO C-12938 RENEWAL DATE STATE OF CALIFORNIA

NORTH

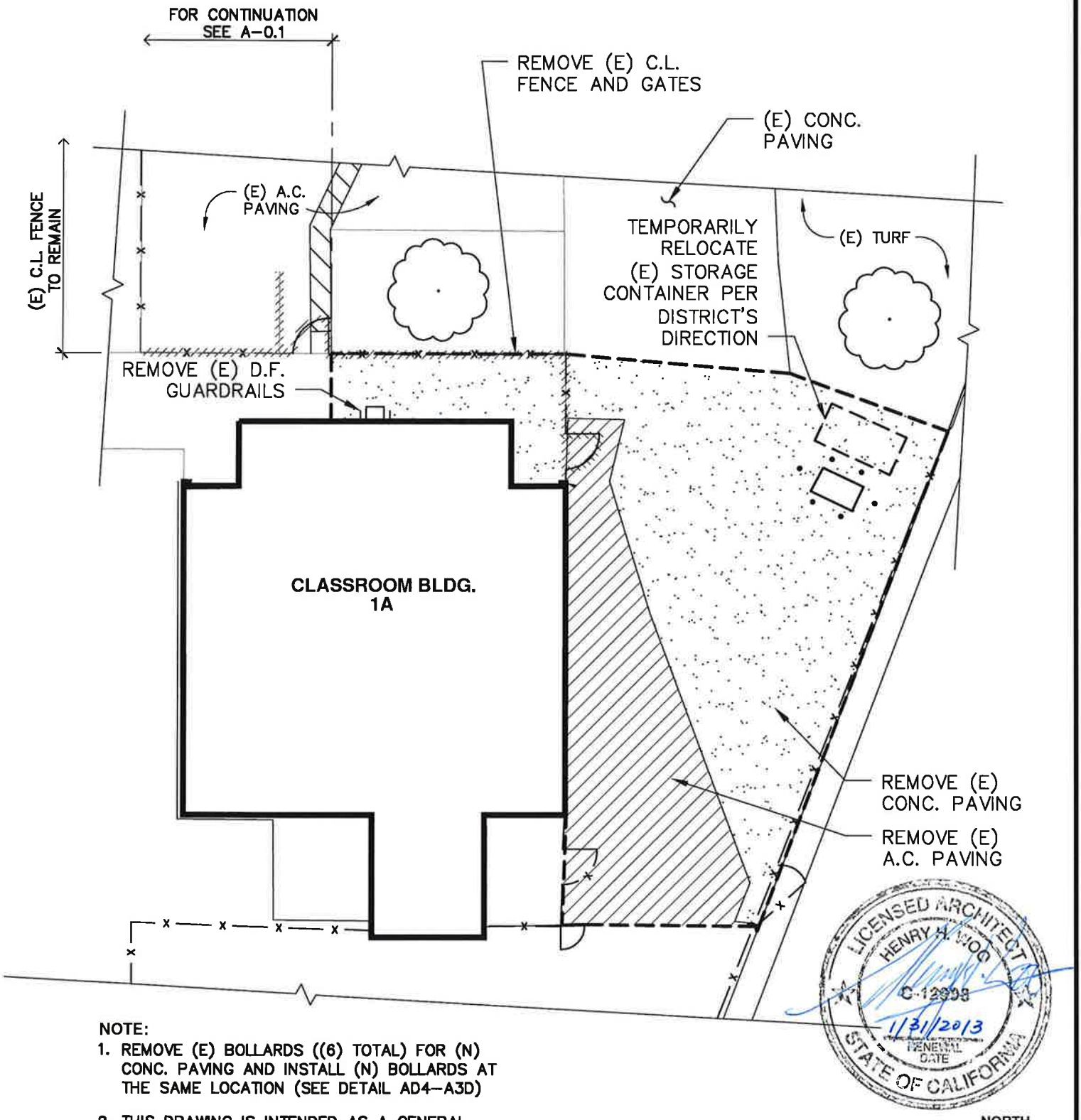
PARTIAL PAVING PLAN AT PARKING LOT B

SCALE: 1/16" = 1'–0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03–112358 FILE NO.: 19–92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A2B DATE: 5/10/2011



LICENSED ARCHITECT
HENRY H. WOO
C-12998
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

NOTE:

1. REMOVE (E) BOLLARDS ((6) TOTAL) FOR (N) CONC. PAVING AND INSTALL (N) BOLLARDS AT THE SAME LOCATION (SEE DETAIL AD4-A3D)
2. THIS DRAWING IS INTENDED AS A GENERAL DEMOLITION PLAN. CONTRACTOR SHALL INCLUDE ALL OTHER INCIDENTAL DEMOLITION NOT SPECIFICALLY INDICATED ON THIS PLAN BUT REQ'D TO ACCOMPLISH ALL WORK.

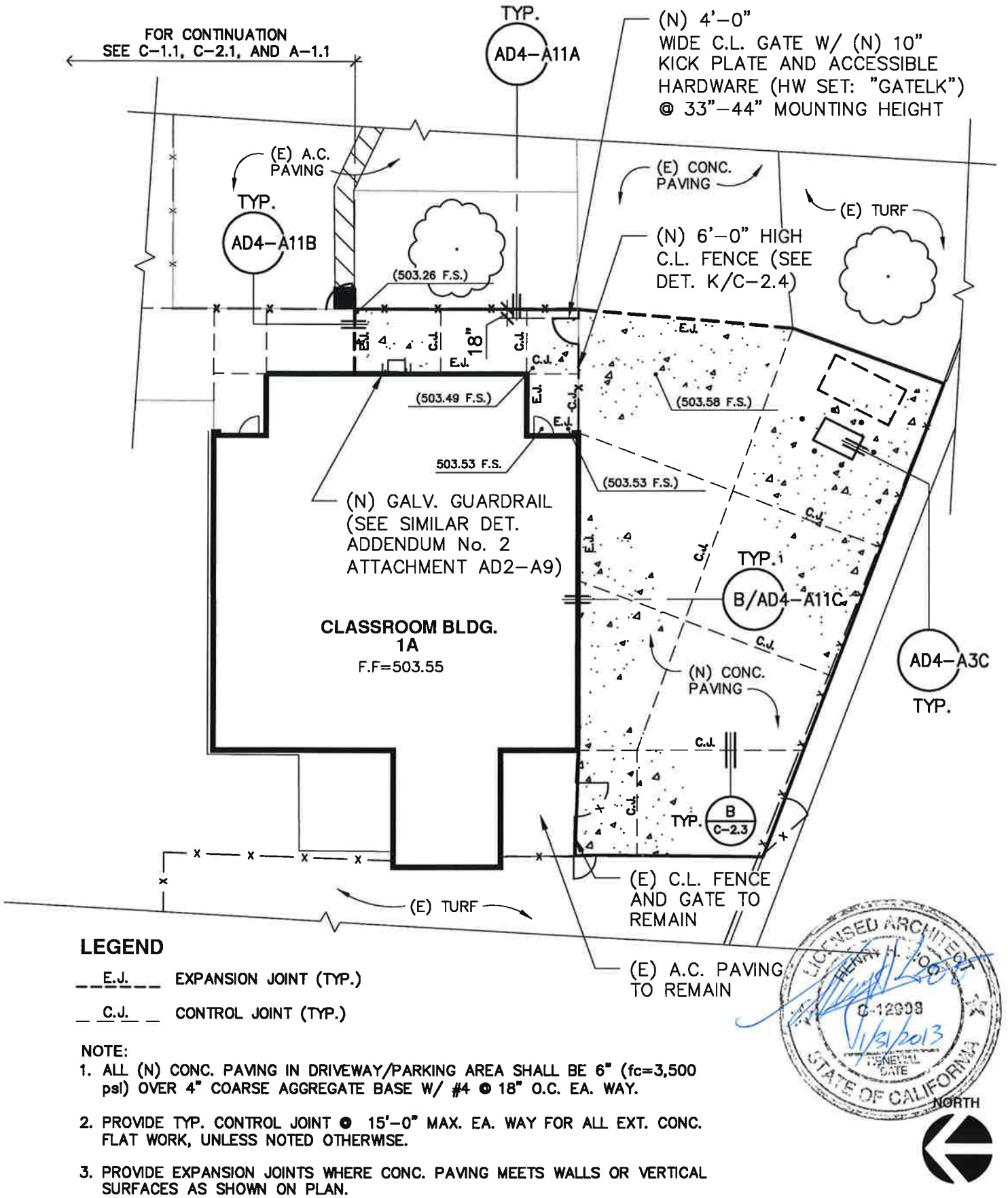
PARTIAL DEMOLITION PAVING PLAN AT PARKING LOT C

SCALE: 1"=20'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A3A DATE: 5/10/2011



LEGEND

E.J. EXPANSION JOINT (TYP.)

C.J. CONTROL JOINT (TYP.)

NOTE:

1. ALL (N) CONC. PAVING IN DRIVEWAY/PARKING AREA SHALL BE 6" (fc=3,500 psi) OVER 4" COARSE AGGREGATE BASE W/ #4 @ 18" O.C. EA. WAY.
2. PROVIDE TYP. CONTROL JOINT @ 15'-0" MAX. EA. WAY FOR ALL EXT. CONC. FLAT WORK, UNLESS NOTED OTHERWISE.
3. PROVIDE EXPANSION JOINTS WHERE CONC. PAVING MEETS WALLS OR VERTICAL SURFACES AS SHOWN ON PLAN.

LICENSED ARCHITECT HENRY L. WOO C-12008 11/31/2013 RENEWAL DATE STATE OF CALIFORNIA

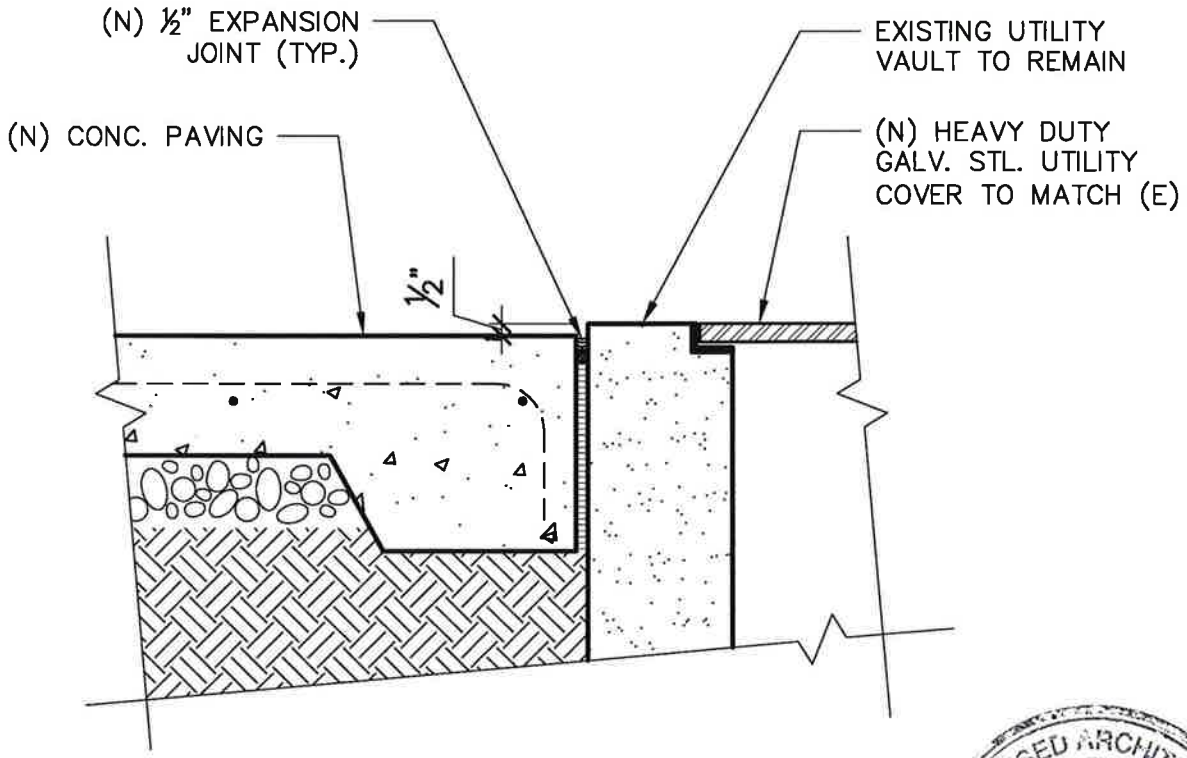
PARTIAL PAVING PLAN AT PARKING LOT C

SCALE: 1"=20'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A3B DATE: 5/10/2011



LICENSED ARCHITECT
HENRY H. WOO
C-12938
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

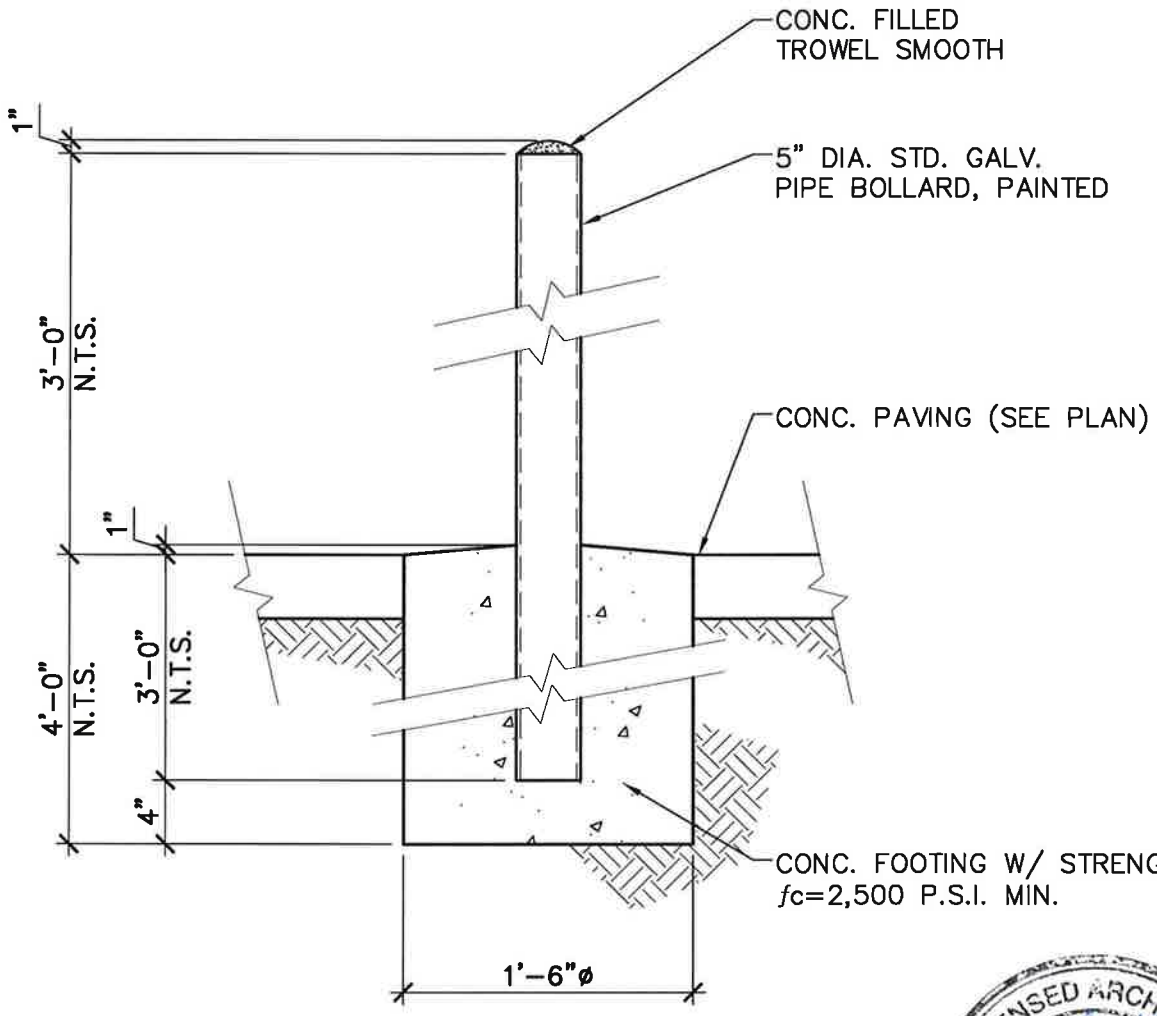
NEW CONC. TO (E) UTILITY VAULT

SCALE: 1 1/2" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A3C DATE: 5/10/2011



LICENSED ARCHITECT
HENRY H. WOO
C-12998
1/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

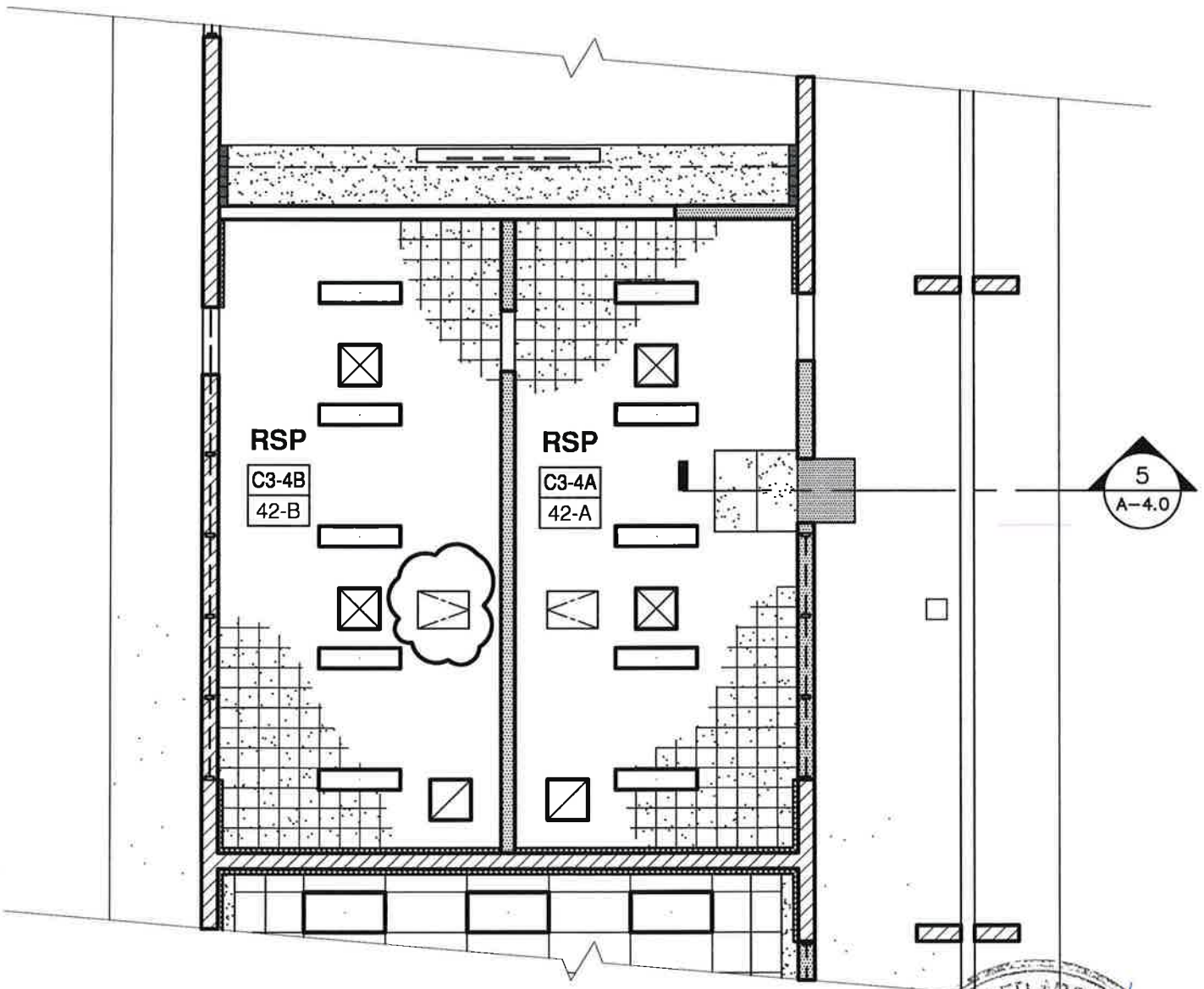
TYP. MTL. BOLLARD

SCALE: 1" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A3D DATE: 5/10/2011



LICENSED ARCHITECT
HENRY H. WOO
C-12038
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

PARTIAL REFLECTED CEILING PLAN - BLDG. C-3

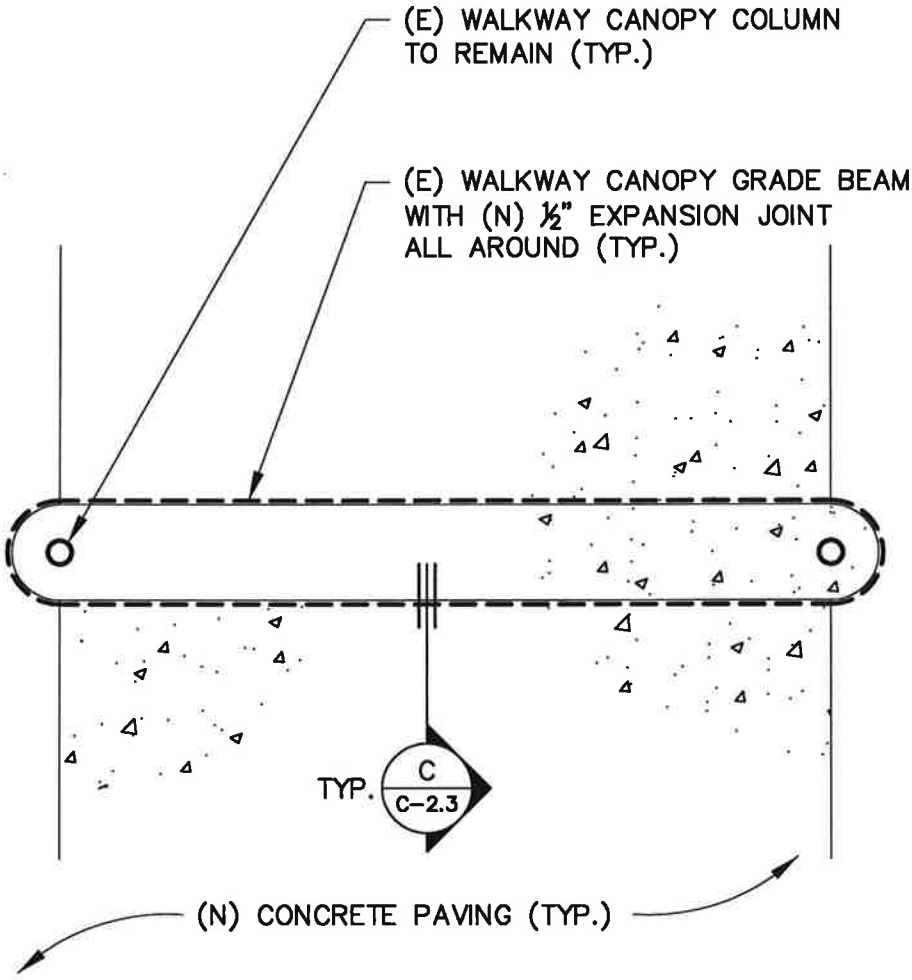
SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A4

DATE: 5/10/2011



LICENSED ARCHITECT
HENRY H. WOO
C-12938
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

TYPICAL EXPANSION JOINT AT WALKWAY CANOPY GRADE BEAM

SCALE: 1/2" = 1'-0"

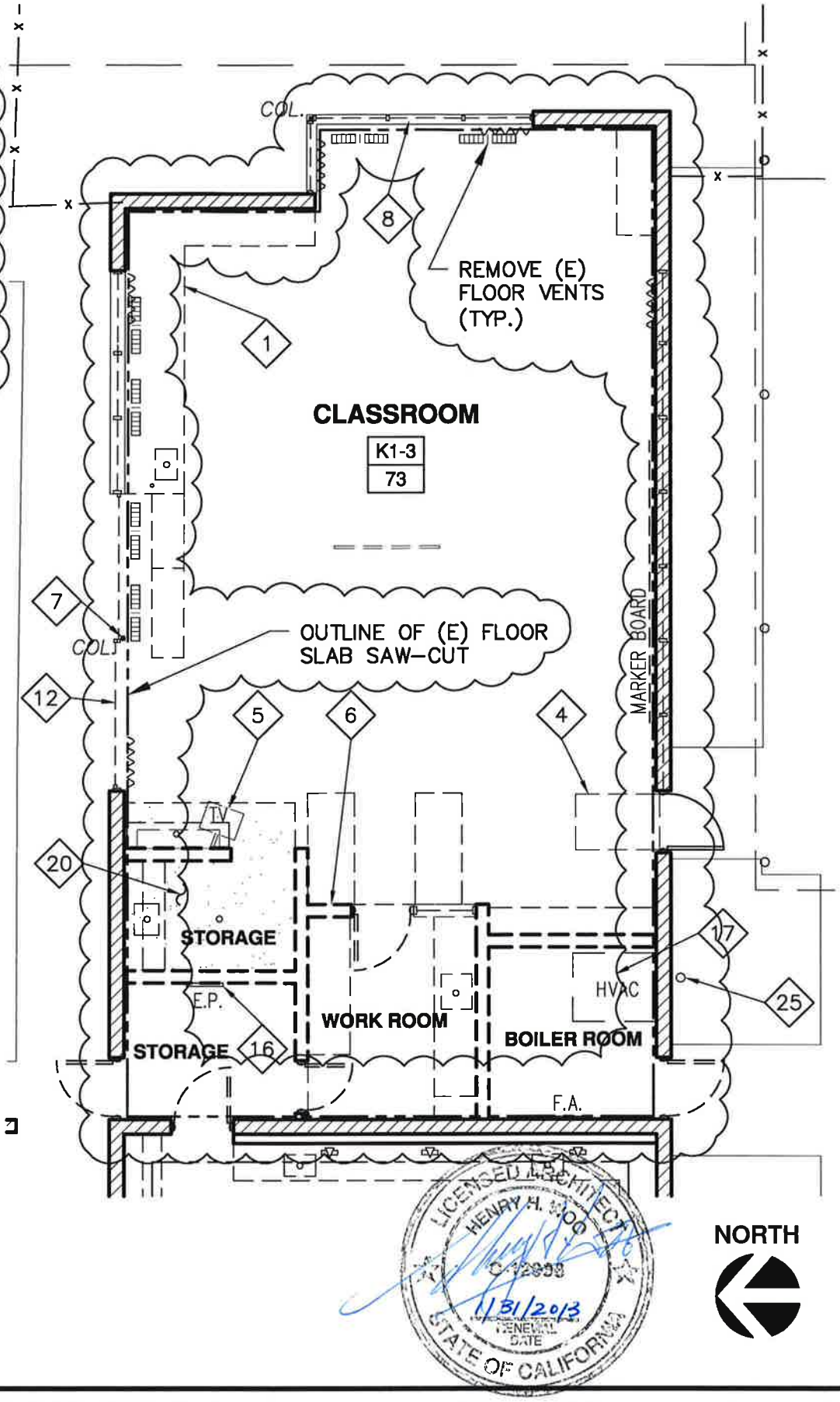
PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A5

DATE: 5/10/2011

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING SLAB, DEPRESSED SLAB, AIR FLOW SLAB, AND UNDER FLOOR TUNNEL. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL FILL AS REQUIRED.



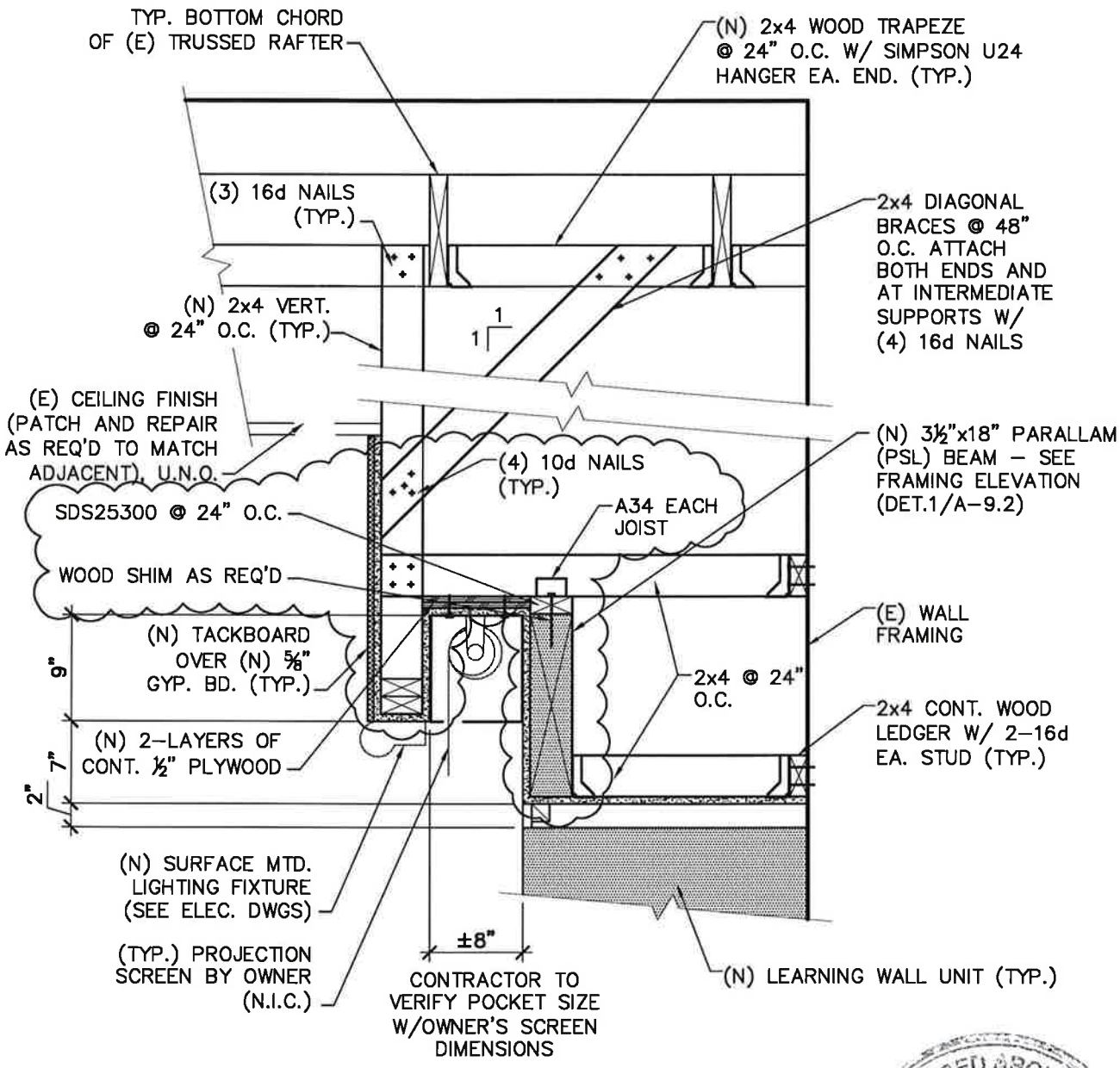
LICENSED ARCHITECT
HENRY H. WOO
C-12099
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

PARTIAL DEMOLITION FLOOR PLAN - BLDG. K1-A **(REF: 4/A-2.1)** SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A6 DATE: 5/10/2011



B TYP. SECTION @ PROJECTION SCREEN POCKET

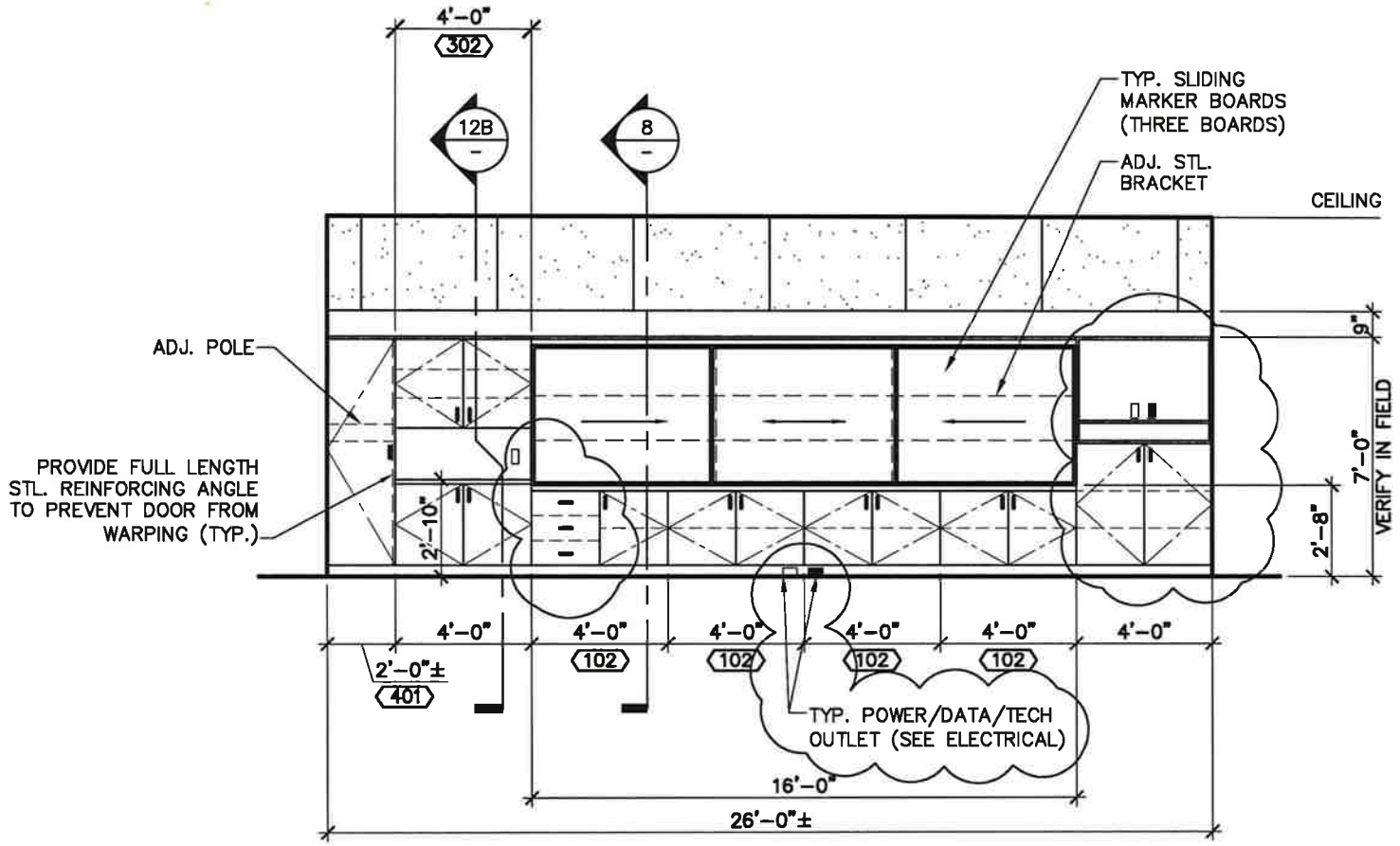
LICENSED ARCHITECT
HENRY H. WOO
C-12058
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

TYPICAL SOFFIT **(REF: 12/A-9.2)** SCALE: N.T.S.

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A7 DATE: 5/10/2011



NOTES:

1. ALL CABINET DOORS SHALL BE LOCKABLE.
2. LEARNING WALL UNIT TO BE PROVIDED AND INSTALLED BY OWNER (N.I.C.). CONTRACTOR SHALL COORDINATE INSTALLATION WITH LEARNING WALL CONTRACTOR AND PROVIDE ALL NECESSARY BACKING.

LICENSED ARCHITECT
HENRY H. WOO
C-12933
1/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

LEARNING WALL UNIT ELEVATION (FOR REFERENCE ONLY)

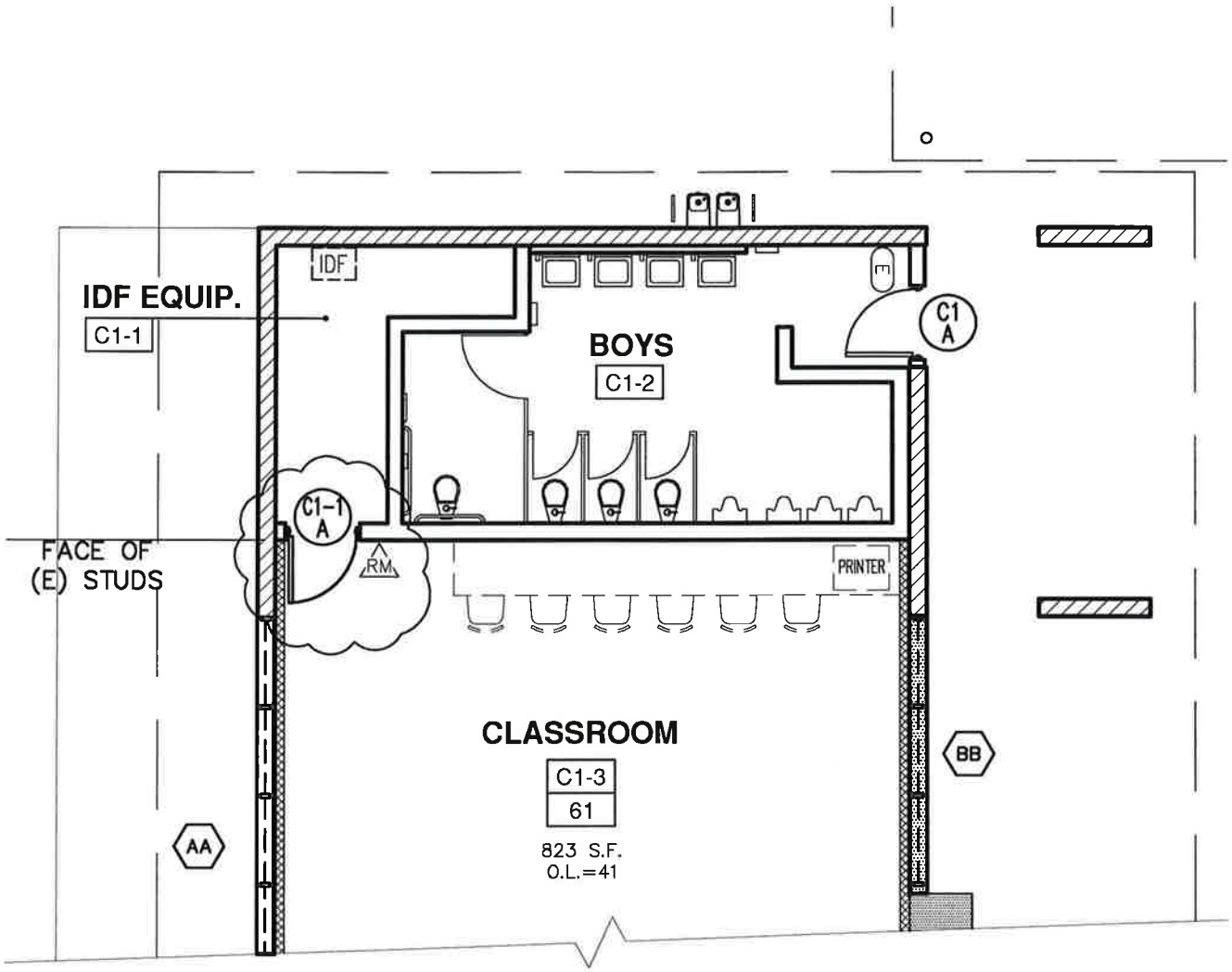
(REF: 6/A-9.4) SCALE: 3/16" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

FILE NO.: 19-92

AD4-A8 DATE: 4/6/11



LICENSED ARCHITECT
HENRY H. WOO
C-12008
1/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

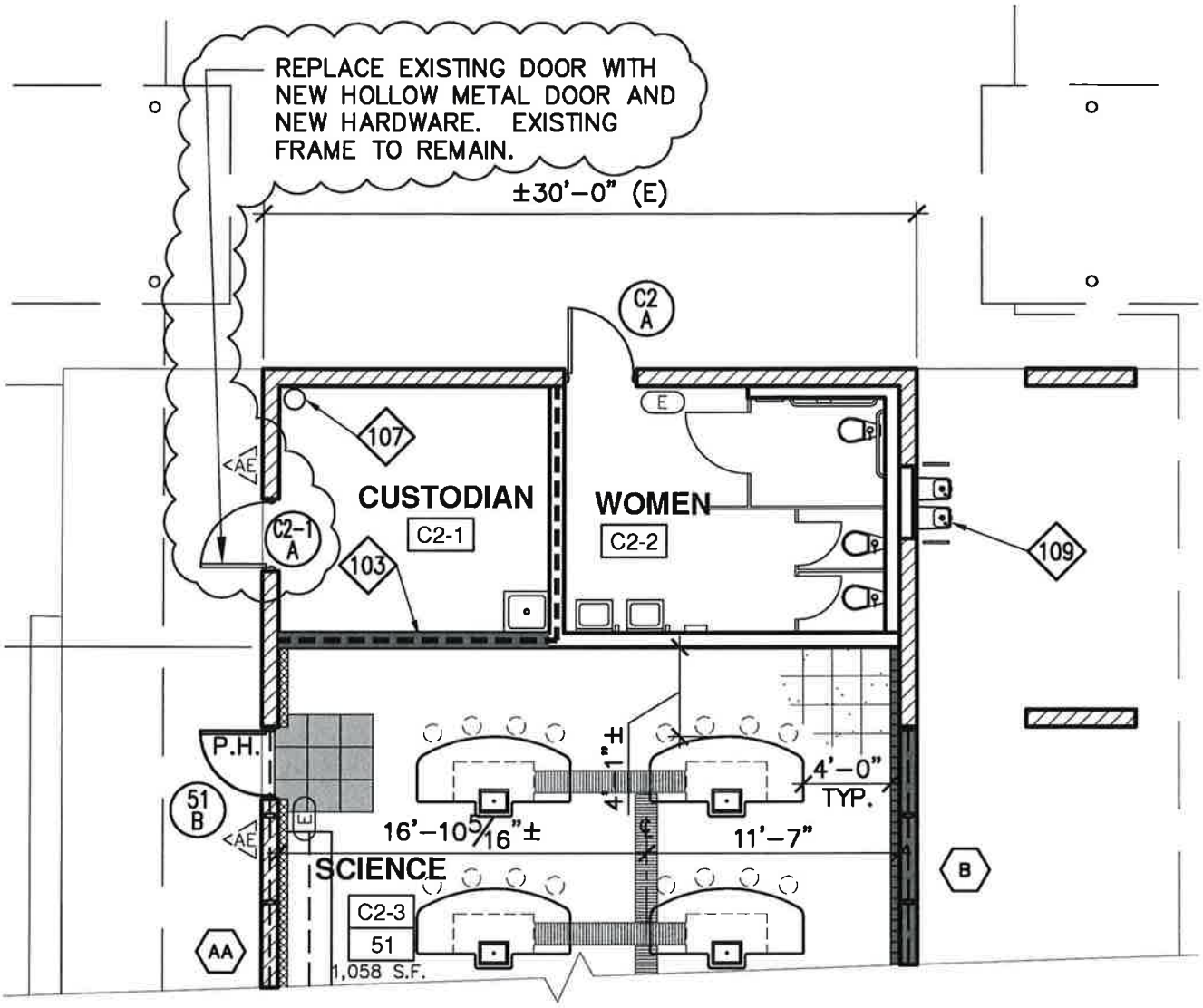
NORTH

PARTIAL FLOOR PLAN - BLDG. C-1 **(REF: 4/A-2.2)** SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A9A DATE: 5/10/2011



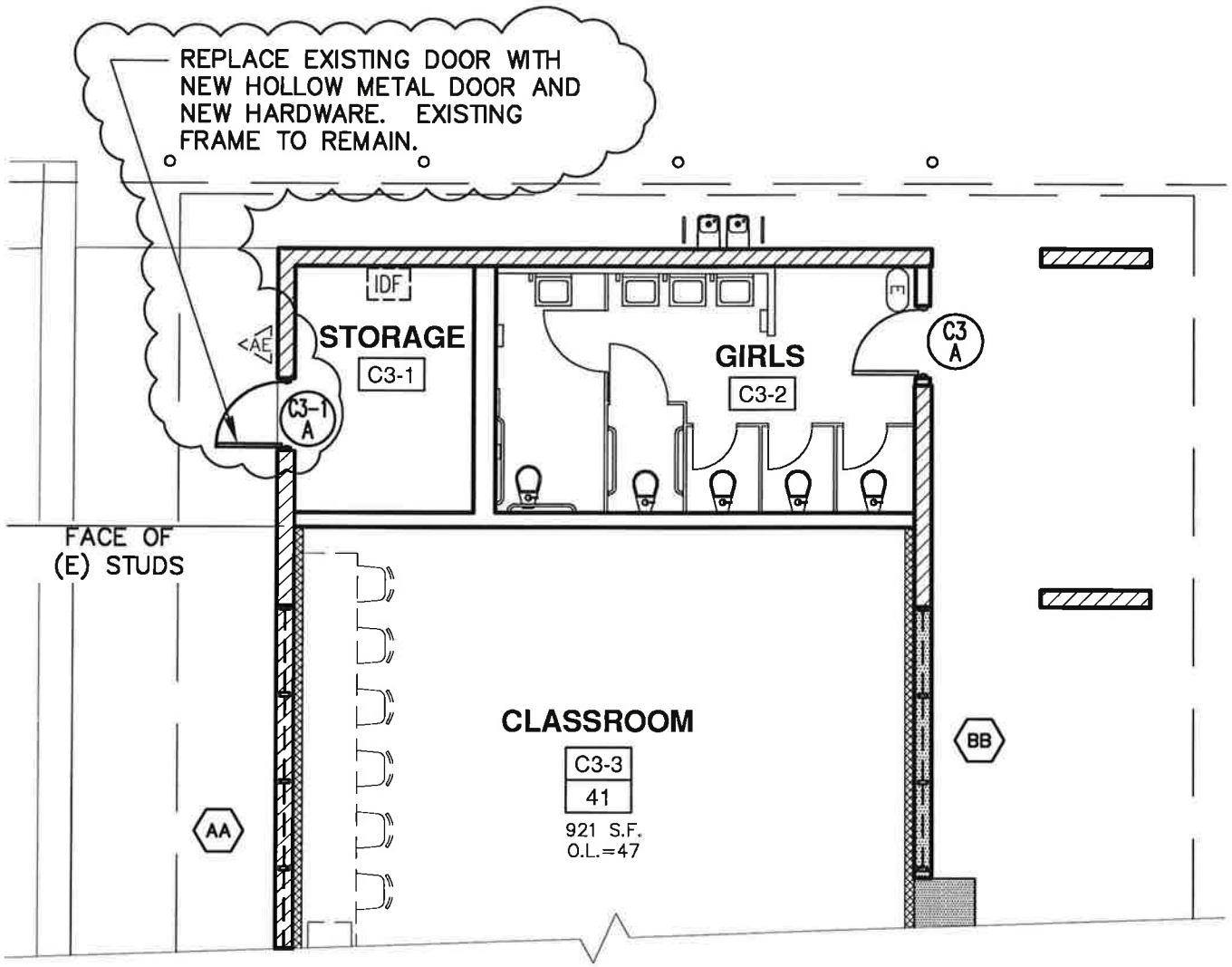
NORTH

PARTIAL FLOOR PLAN - BLDG. C-2 **(REF: 4/A-2.2)** SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A9B DATE: 5/10/2011



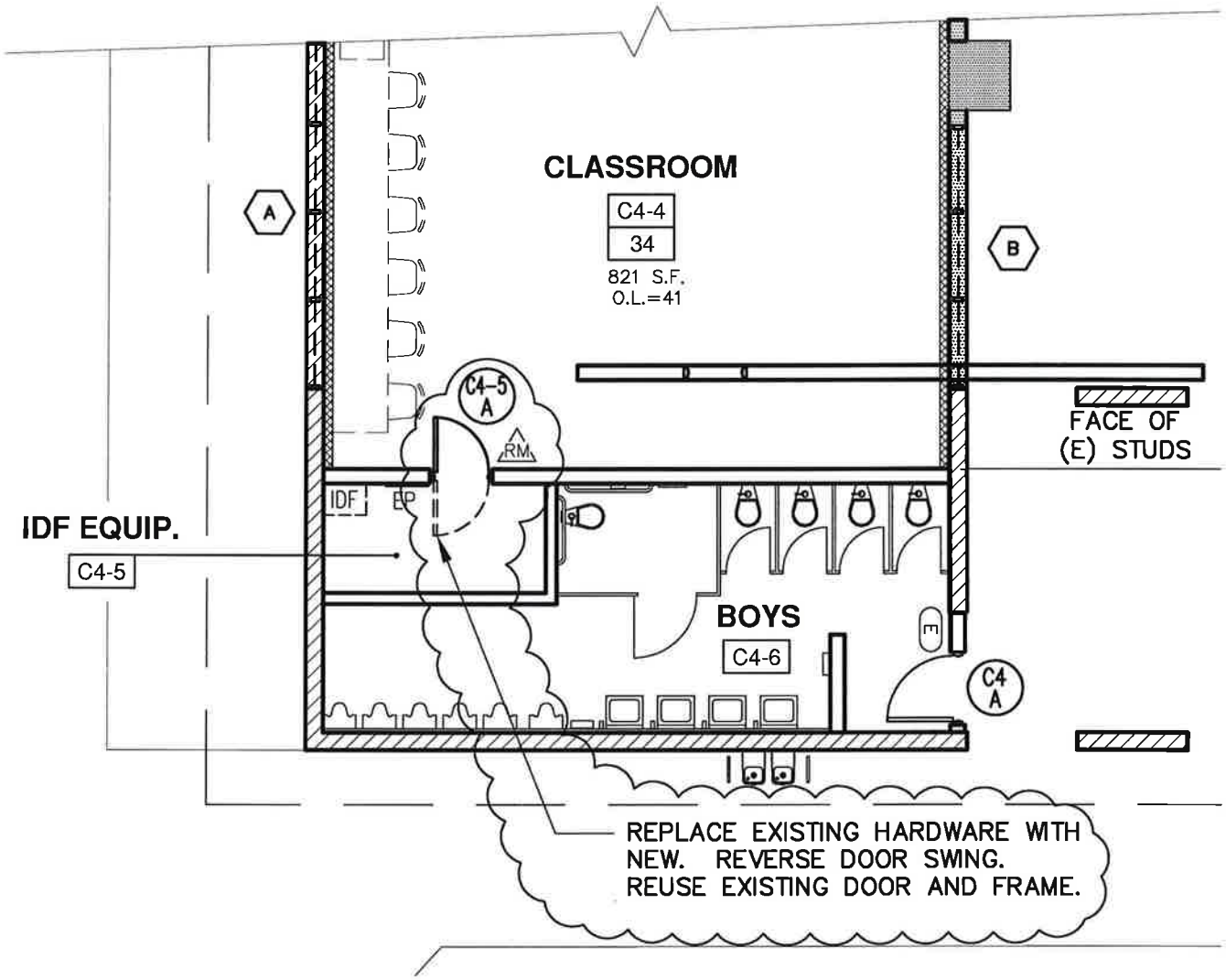
NORTH

PARTIAL FLOOR PLAN - BLDG. C-3 **(REF: 4/A-2.2)** SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A9C DATE: 5/10/2011



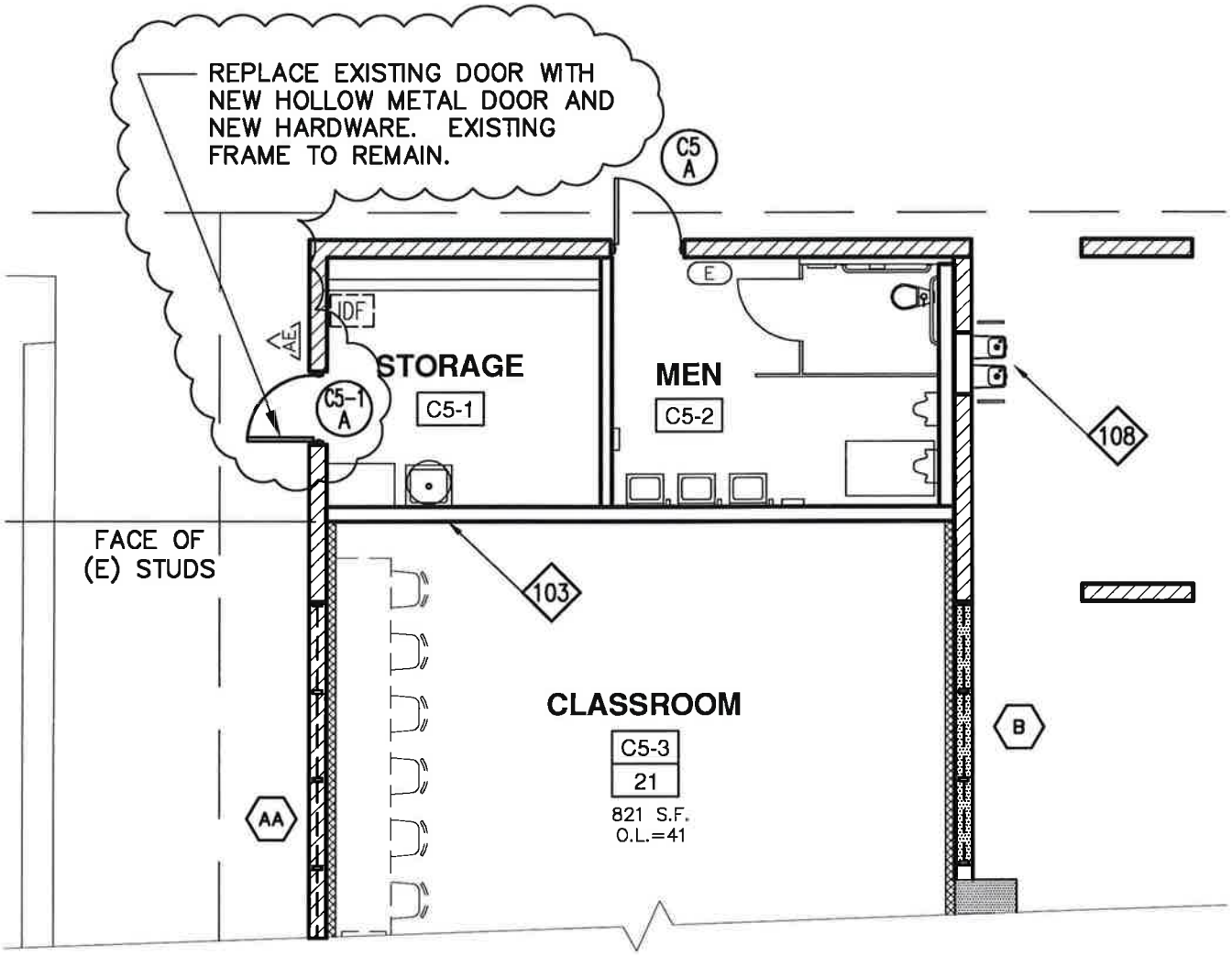
NORTH

PARTIAL FLOOR PLAN - BLDG. C-4 **(REF: 4/A-2.2)** SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A9D DATE: 5/10/2011



LICENSED ARCHITECT
HENRY H. WOO
C-12008
1/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

NORTH

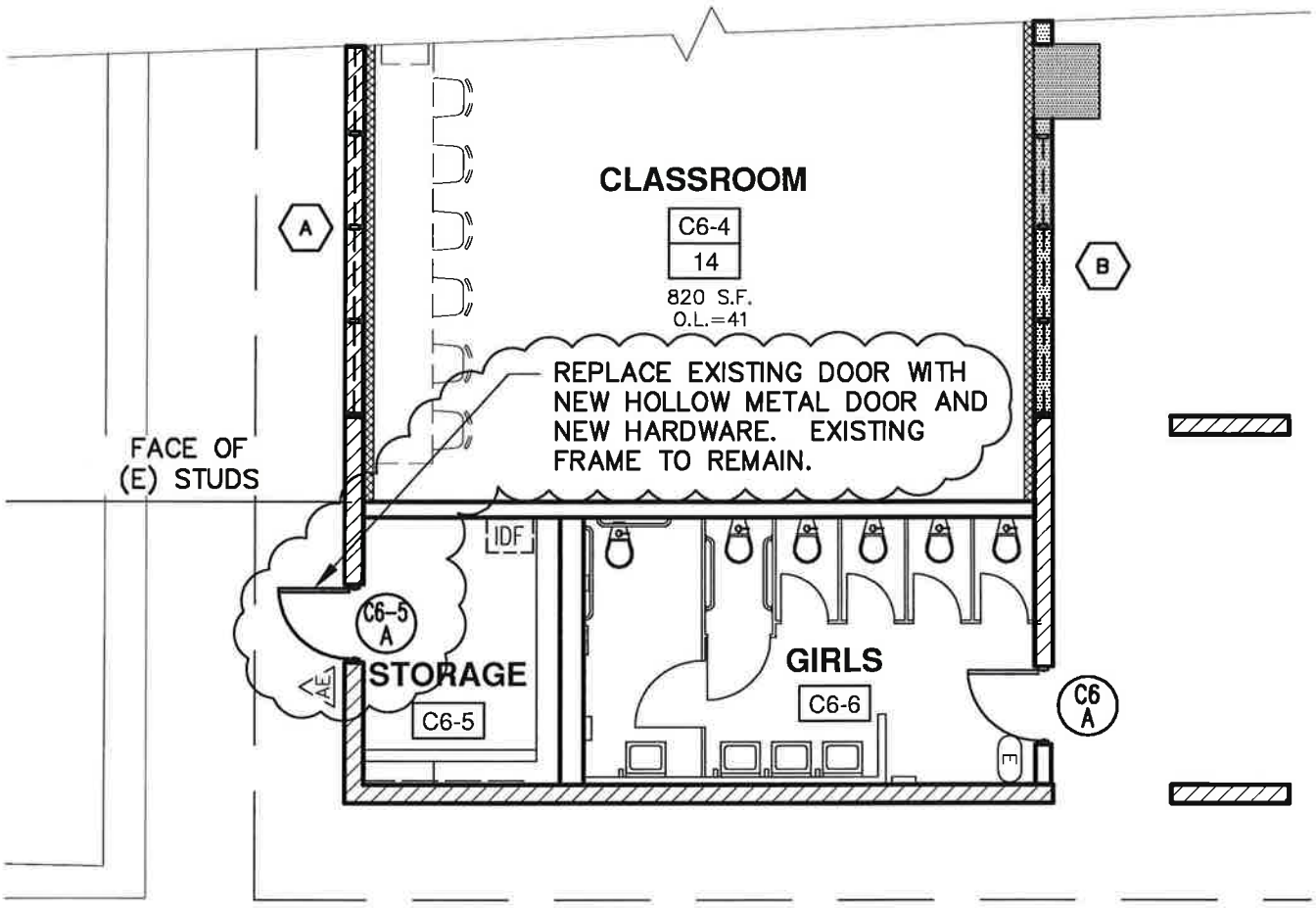
PARTIAL FLOOR PLAN - BLDG. C-5

(REF: 4/A-2.4) SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A9E DATE: 5/10/2011



NORTH

PARTIAL FLOOR PLAN - BLDG. C-6 **(REF: 4/A-2.4)** SCALE: 1/8" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A9F DATE: 5/10/2011

DOOR SCHEDULE

DOOR NUMBER	MODE	OPENING SIZE		DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	FRAME MATERIAL	UNDER CUT (U.C.) OR LOUVER SIZE (INCHES)	HARDWARE SET	LABEL (IN MINUTES)	REMARKS
		WIDTH	HEIGHT								
C1-1A	SGL	2'-8"	7'-0"	1 3/4"	A	(E) WD	(E) HM	–	06	NR	(E) DOOR AND FRAME TO REMAIN
C2-1A	SGL	3'-0"	7'-0"	1 3/4"	A	HM	(E) HM	–	08	NR	(E) FRAME TO REMAIN
C3-1A	SGL	3'-0"	7'-0"	1 3/4"	A	HM	(E) HM	–	08	NR	(E) FRAME TO REMAIN
C4-5A	SGL	3'-0"	7'-0"	1 3/4"	A	(E) WD	(E) HM	–	07	NR	REVERSE DOOR SWING (E) FRAME TO REMAIN
C5-1A	SGL	3'-0"	7'-0"	1 3/4"	A	HM	(E) HM	–	08	NR	(E) FRAME TO REMAIN
C6-5A	SGL	3'-0"	7'-0"	1 3/4"	A	HM	(E) HM	–	08	NR	(E) FRAME TO REMAIN

ABBREVIATIONS

HM = HOLLOW METAL
GL = GLAZING
WD = WOOD, SOLID CORE
AL = ALUMINUM
SGL = SINGLE
DBL = DOUBLE
DBLSL = DOUBLE SLIDING
NR = NON-RATED
PH = PANIC HARDWARE
LK = LOCK
(E) = EXISTING TO REMAIN

PARTIAL DOOR SCHEDULE

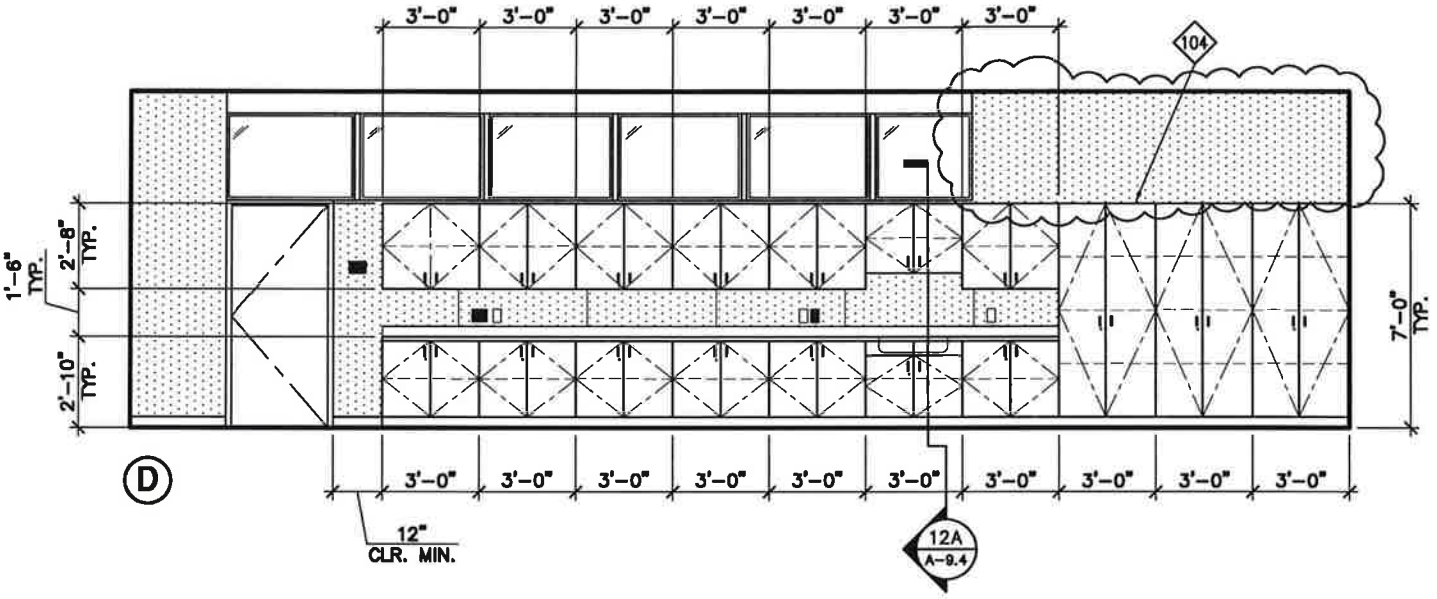
(REF: A-8.0)

SCALE: N.T.S.

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A9G DATE: 5/10/2011

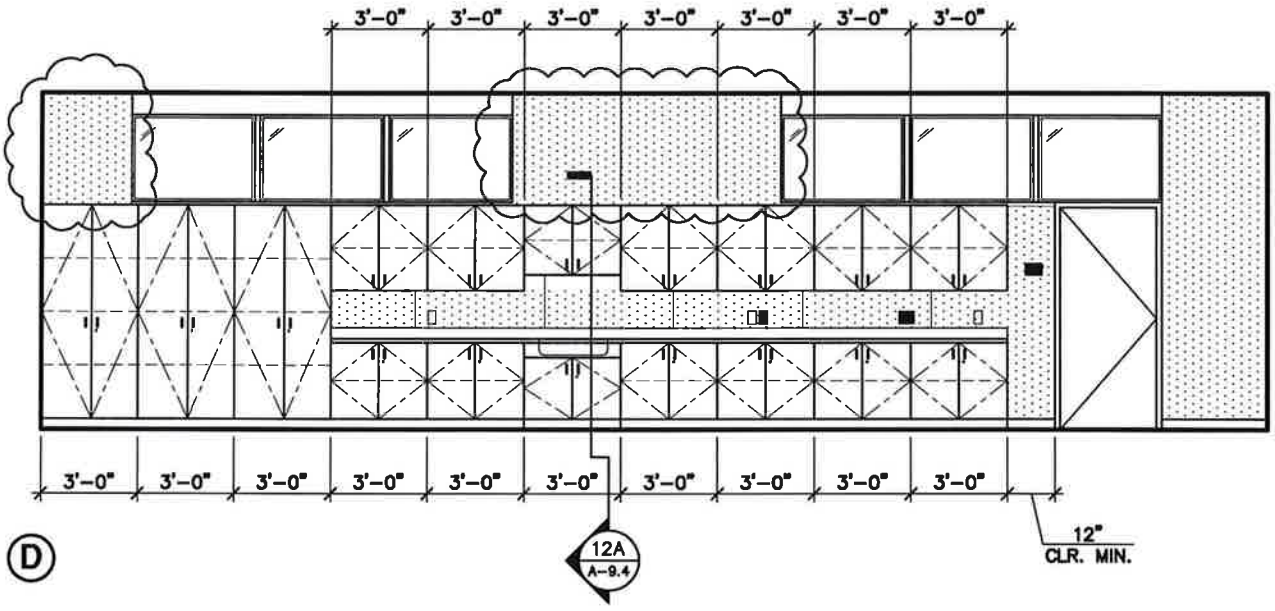


INTERIOR ELEVATION SCIENCE - 53 (SCIENCE - 51 SIMILAR REVERSED) (BLDG. C-2) (REF: 6/A-7.0) SCALE: N.T.S.

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A10A DATE: 5/10/2011



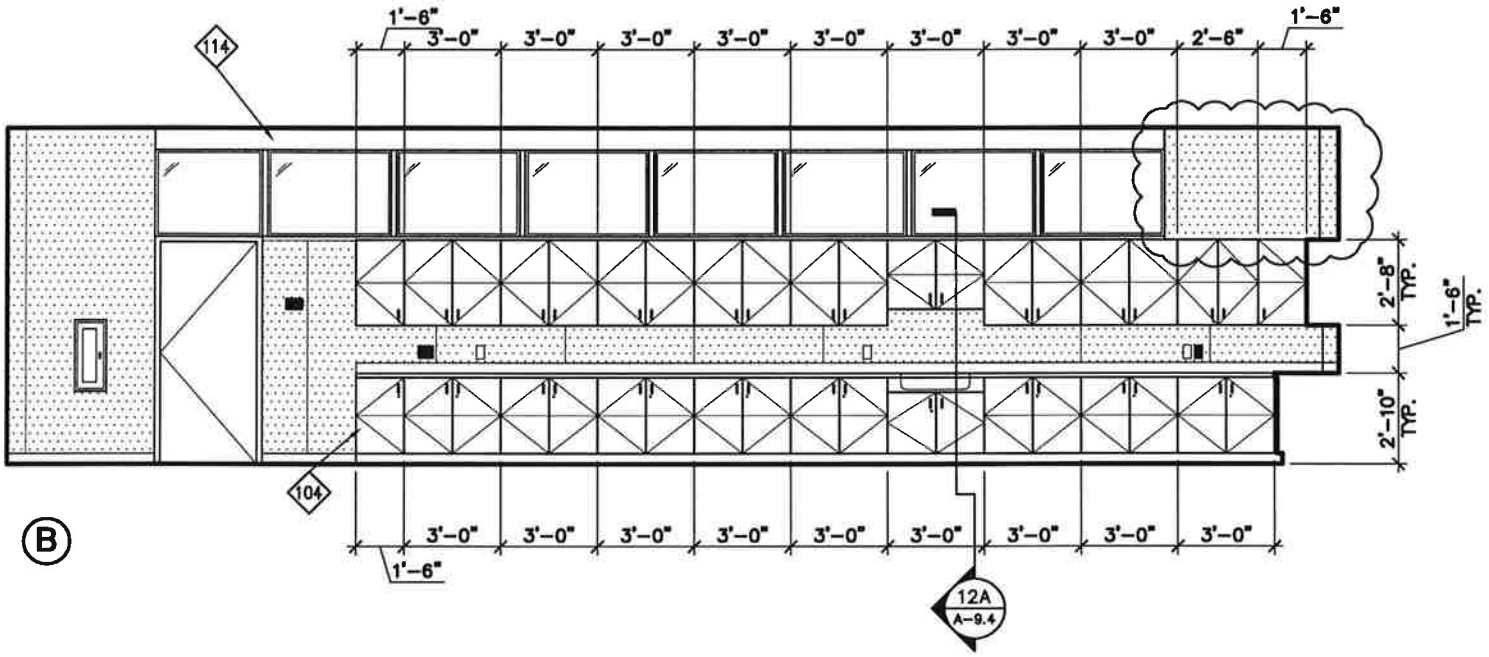
LICENSED ARCHITECT
HENRY H. WOO
C-12358
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

INTERIOR ELEVATION SCIENCE - 52 (BLDG. C-2) **(REF: 8/A-7.0)** SCALE: N.T.S.

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A10B DATE: 5/10/2011



INTERIOR ELEVATION SCIENCE - 71 (BLDG. K1-A)

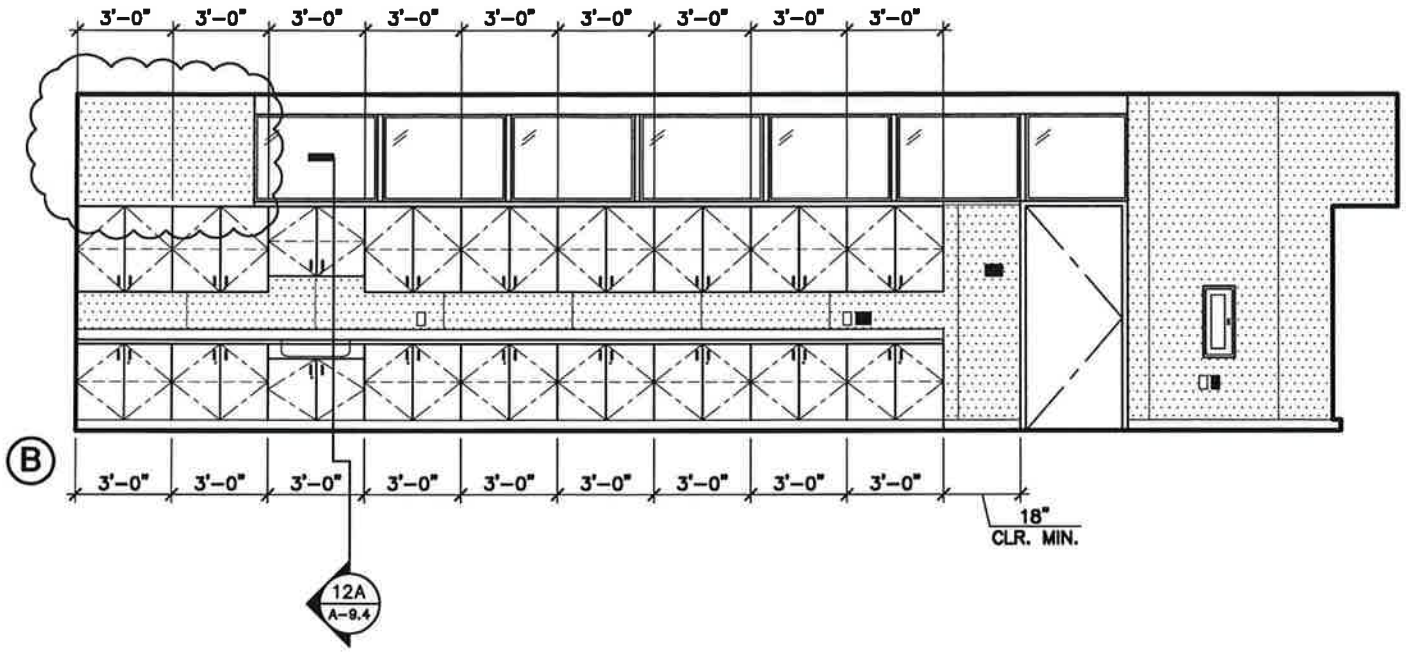
(REF: 6/A-7.1)

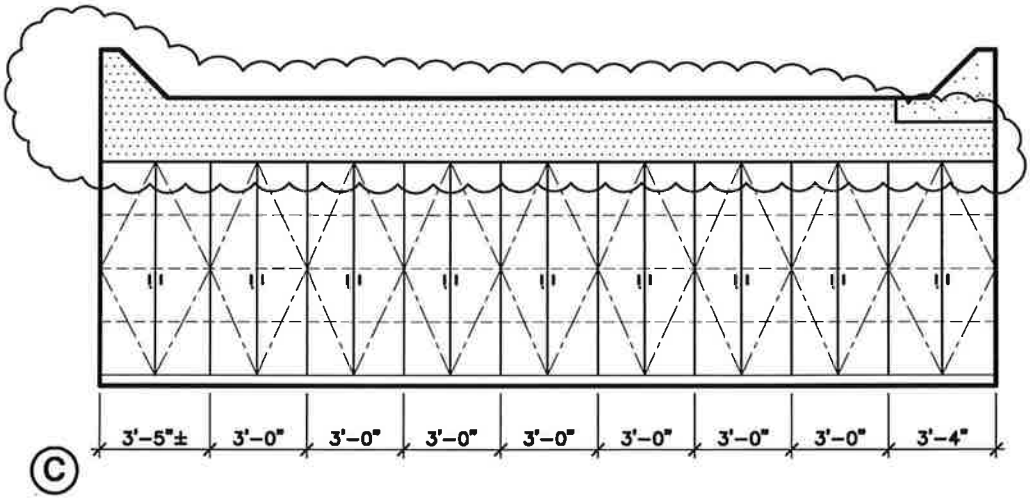
SCALE: N.T.S.

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A10C DATE: 5/10/2011





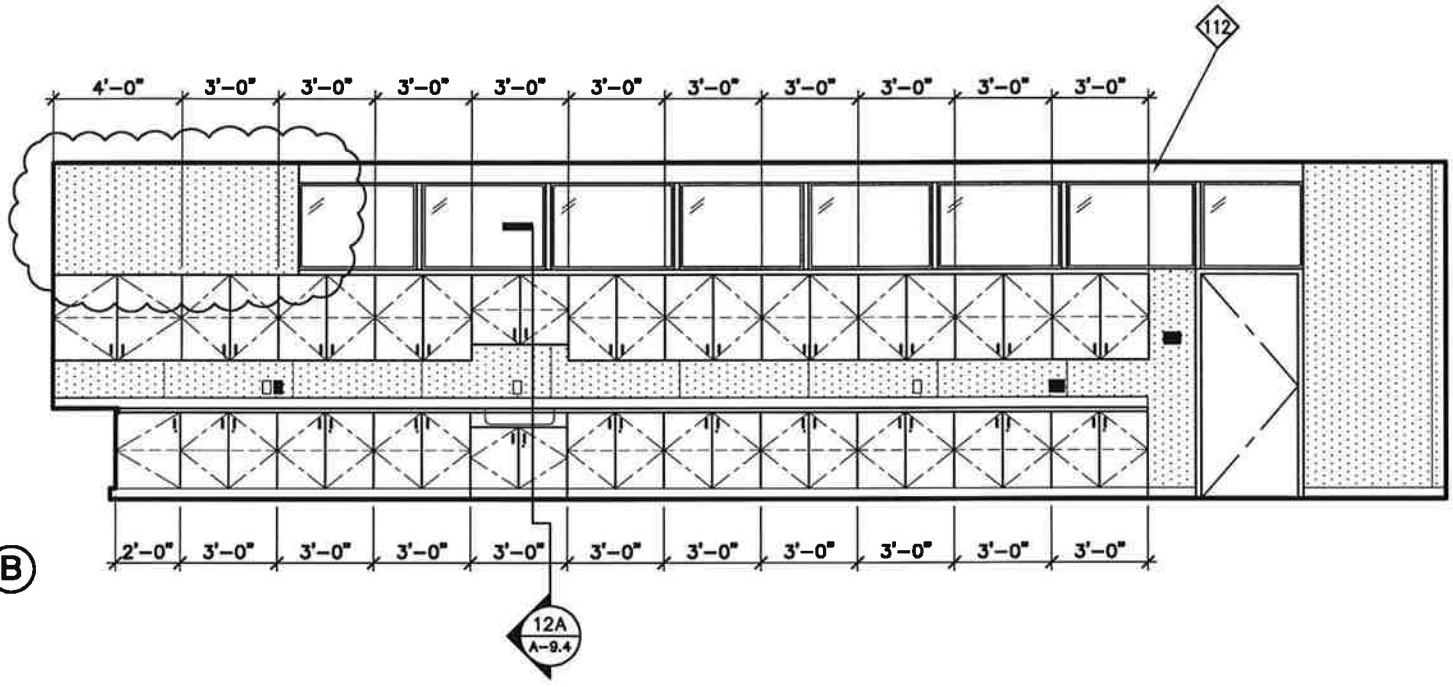
LICENSED ARCHITECT
HENRY H. WOO
C 12358
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

INTERIOR ELEVATION SCIENCE - 72 (BLDG. K1-A) **(REF: 8/A-7.1)** SCALE: N.T.S.

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A10D DATE: 5/10/2011



LICENSED ARCHITECT
HENRY H. WOO
C-12098
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

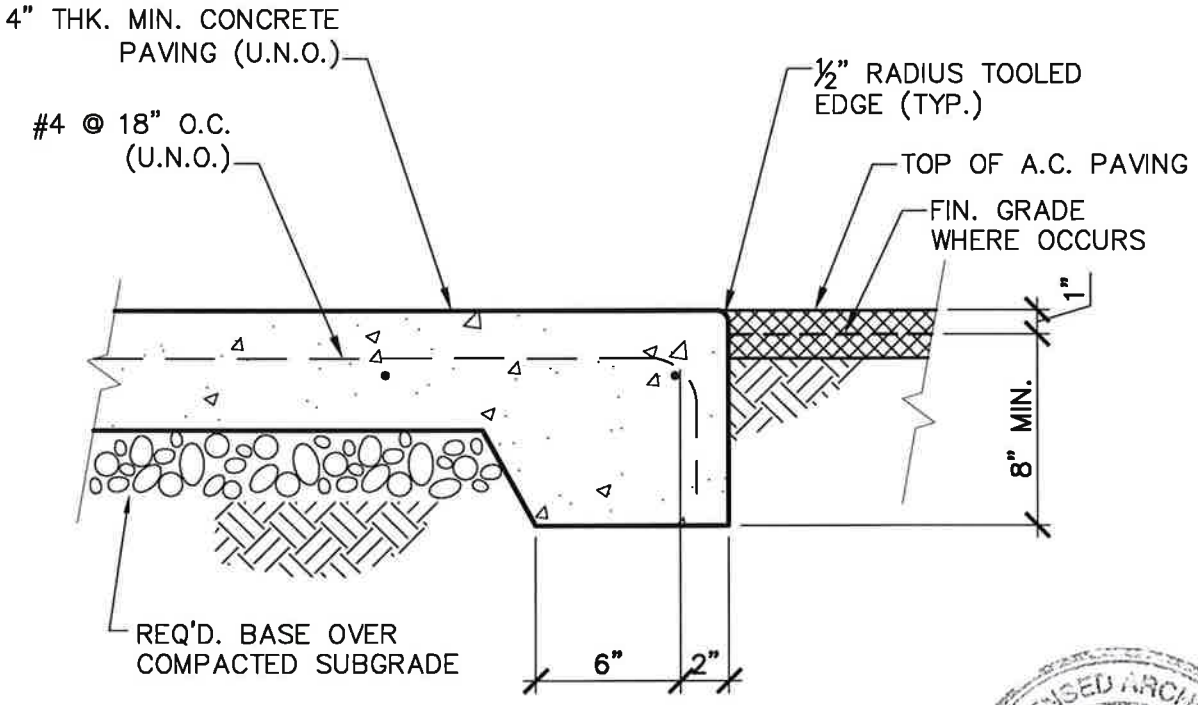
INTERIOR ELEVATION SCIENCE - 73 (BLDG. K1-A) **(REF: 6/A-7.2)** SCALE: N.T.S.

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A10E DATE: 5/10/2011

NOTES:
A. SEE PLANS FOR LOCATIONS OF JOINTS

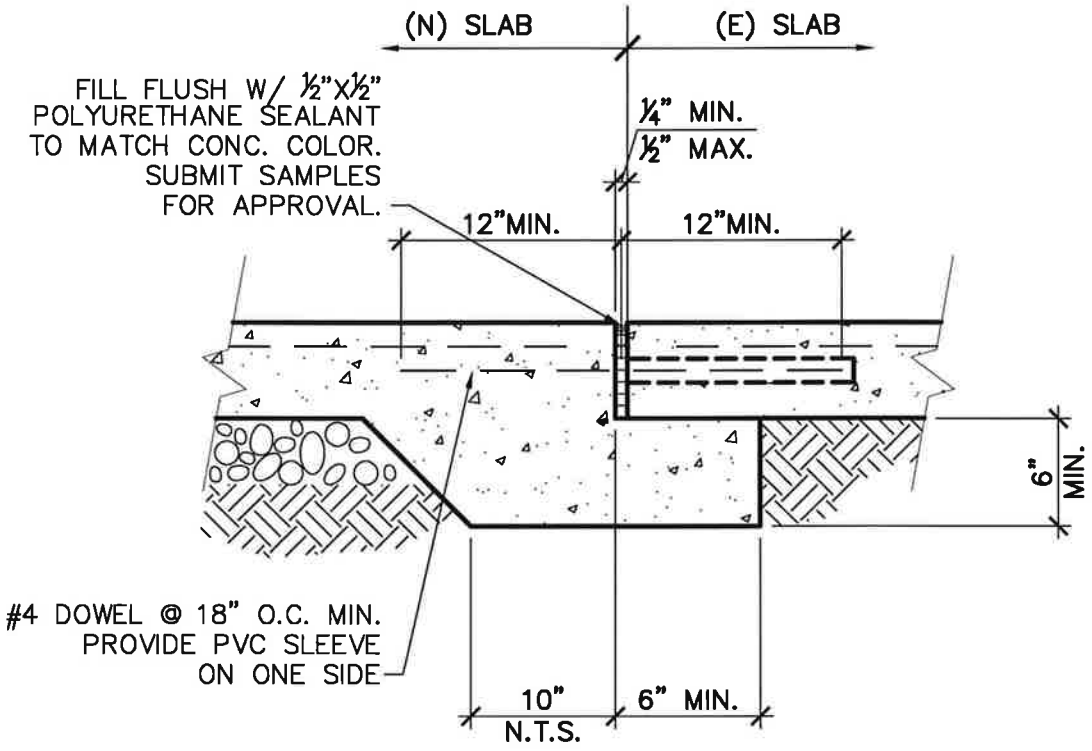


TYP. CONCRETE SLAB EDGE **(REF: A/C-2.3)** SCALE: 1 1/2" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

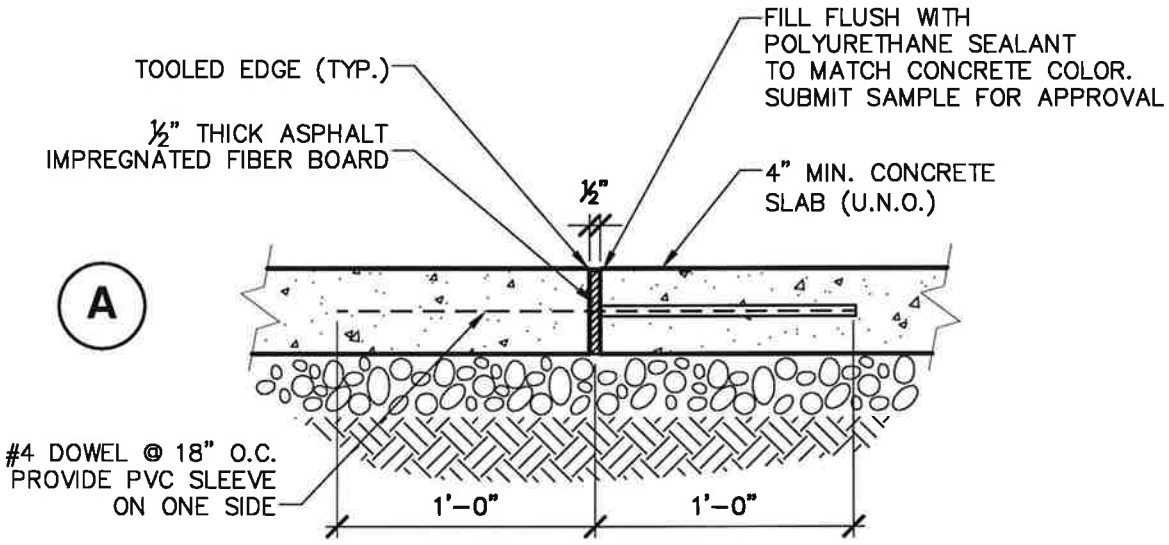
AD4-A11A DATE: 5/10/2011

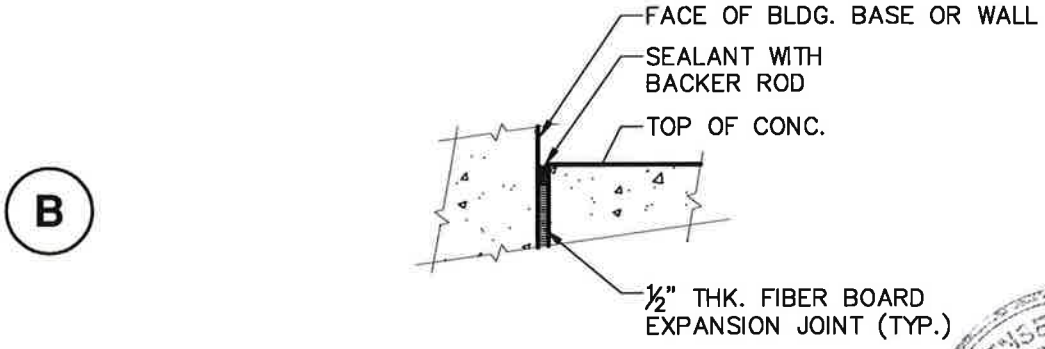


TYP. NEW TO EXISTING CONCRETE **(REF: C/C-2.3)** SCALE: 1 1/2" = 1'-0"

PROJECT TITLE: **ALVARADO I.S. PARTIAL MODERNIZATION**	DSA NO.: 03-112358 FILE NO.: 19-92 PROJECT NO.: 108RSD13 HENRY WOO ARCHITECTS, INC.	**AD4-A11B** DATE: 5/10/2011

NOTE:
SEE PLANS FOR LOCATION OF EXPANSION JOINTS.





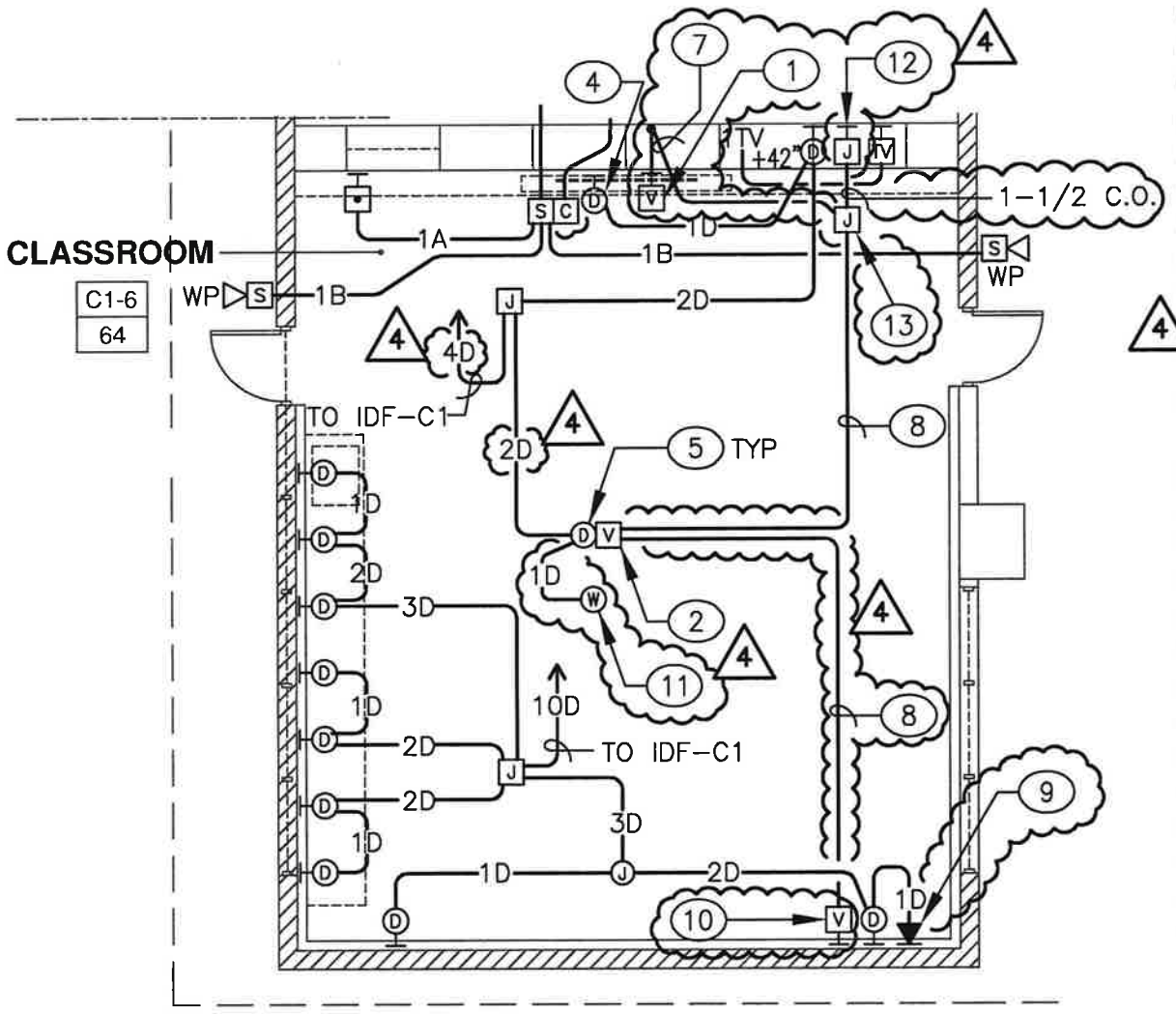
LICENSED ARCHITECT
HENRY H. WOO
C-12938
11/31/2013
RENEWAL DATE
STATE OF CALIFORNIA

TYP. EXPANSION JOINT **(REF: C/C-2.3)** SCALE: 1 1/2" = 1'-0"

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-A11C DATE: 5/10/2011



TYPICAL CLASSROOM

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

REFERENCE DRAWING: E-6.1

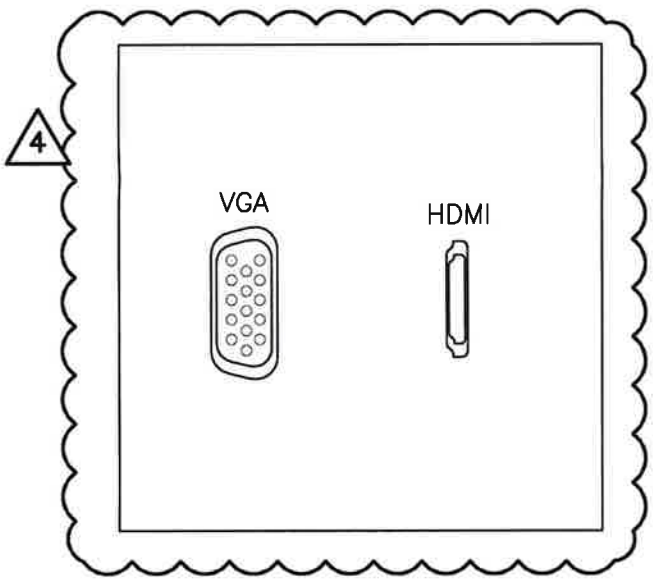
NORTH

KEYED NOTES

1. (2)FLUSH 2" X 4" X 2-1/8"D BOX WITH 1 GANG RING, (1) WITH VGA JACK & (1) WITH HDMI JACK IN TOEKICK, SEE DETAIL 3 BELOW.
2. FLUSH CEILING MOUNT 5" SQ X 3-1/4" BOX WITH 2 GANG RING, (2) VGA JACK AND (2) HDMI JACK. LOCATE @ 6" FROM BACK OF PROJECTOR. SEE DETAIL 1.
7. 1-1/4"C, (1) HDMI CABLE. 3/4"C, (1)VGA CABLE.
8. 1-1/2"C, (1) HDMI CABLE & (1) VGA CABLE.
9. TELEPHONE OUTLET AND WALL MOUNTED TELEPHONE SET @ TEACHER'S STATION. VERIFY EXACT LOCATION OF TEACHER'S STATION.
10. FLUSH 5" SQ X 3-1/4" D BOX WITH 2 GANG RING, (1) VGA JACK AND (1) HDMI JACK @ TEACHER'S STATION. VERIFY EXACT LOCATION OF TEACHER'S STATION, SEE DETAIL 2 BELOW.
11. WIRELESS ACCESS POINT, FLUSH CEILING MOUNTED.
12. FLUSH 5"SQ X 3-1/4"D BOX WITH COVER.
13. 6"x6"x6"D JUNCTION BOX @ CEILING SPACE.

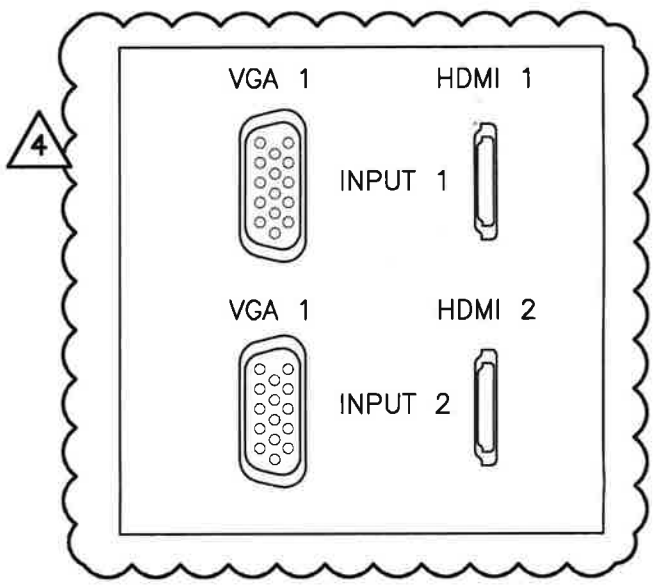
NOTES:

1. THESE CHANGES APPLY TO ALL CLASSROOMS ON BUILDING C1, C3, C4, C5, & C6.
2. VERIFY EXACT LOCATION OF EACH DATA/VIDEO, VIDEO/TV, OUTLET PER DISTRICTS REQUIREMENT PRIOR TO ROUGH-IN.



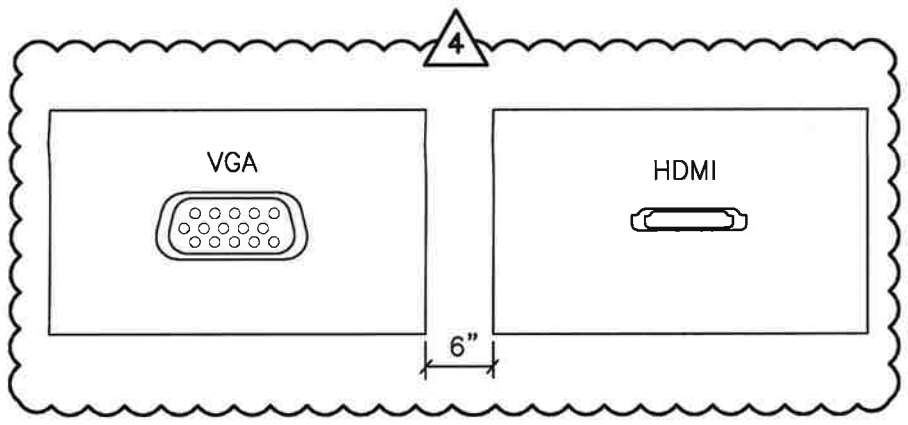
DETAIL 2 (TEACHER'S STATION)

N.T.S.



DETAIL 1 (FLUSH IN CEILING)

N.T.S.



DETAIL 3 (AT TOEKICK)

N.T.S.

LICENSED ARCHITECT HENRY H. WOO C-12998 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER Y. DANNY HO No. E9130 Exp. 09/30/2011 ELECTRICAL STATE OF CALIFORNIA

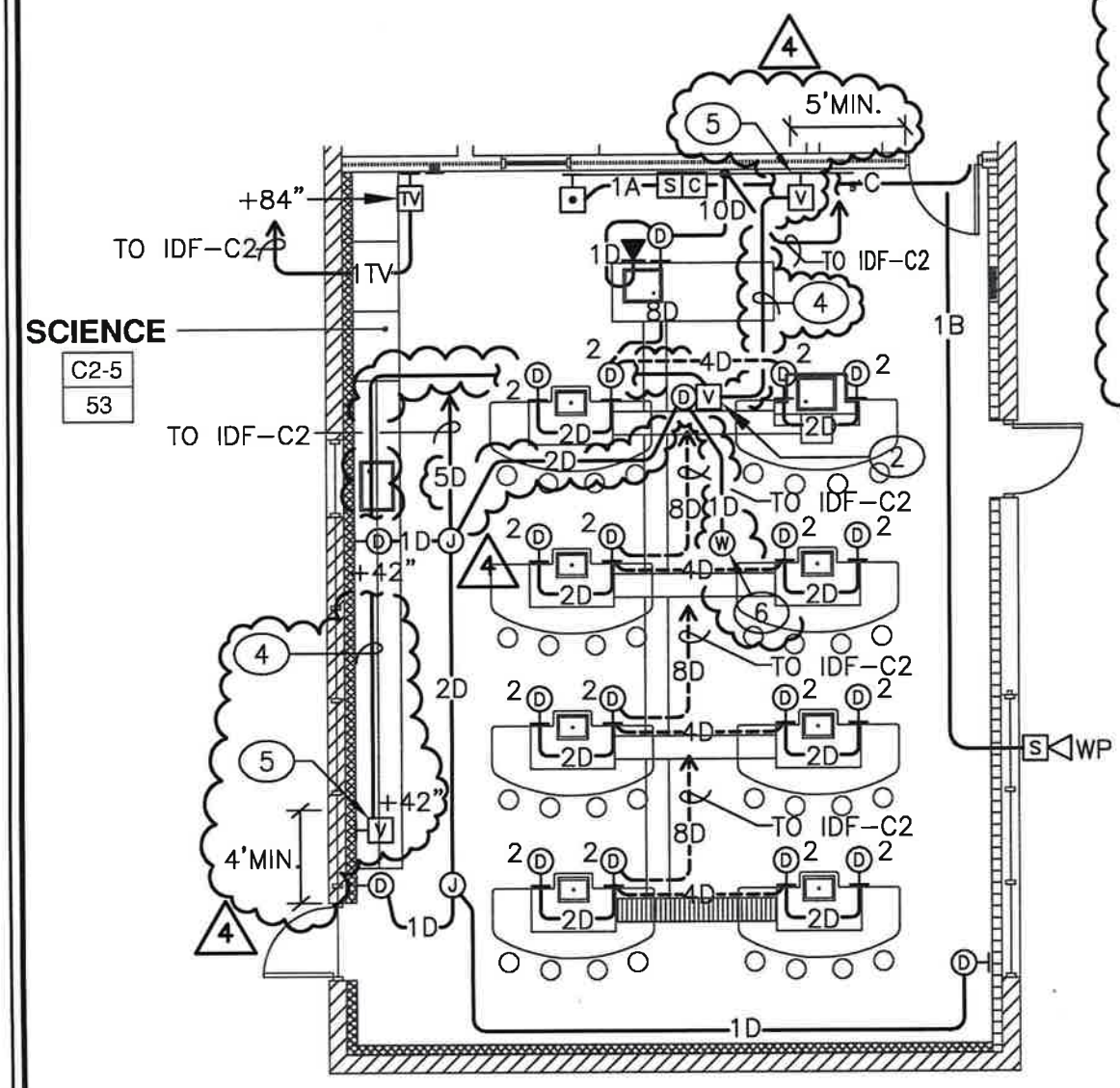
TYPICAL CLASSROOM PARTIAL SIGNAL PLAN & DETAILS

SCALE: AS NOTED

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.:19-92
PROJECT NO.:108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-E1 DATE: 05/05/11



KEYED NOTES

(2) FLUSH CEILING MOUNT 5" SQ X 3-1/4" BOX WITH 2 GANG RING, (2) VGA JACK AND (2) HDMI JACK. LOCATE @ 6" FROM BACK OF PROJECTOR. SEE DETAIL 1.

(4) 1-1/2"C, (1)VGA CABLE AND (1) HDMI CABLE.

(5) FLUSH MOUNT 5" SQ. X 3-1/4" BOX WITH 2-GANG RING, (1) VGA JACK AND (1) HDMI JACK. SEE DETAIL 2 BELOW.

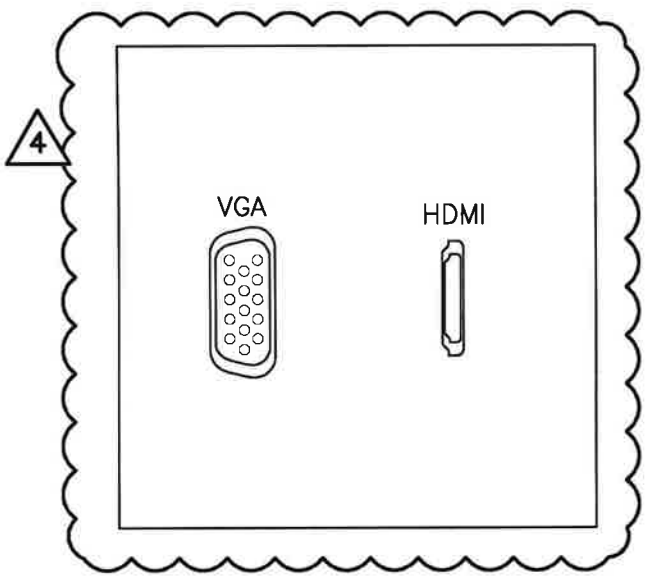
(6) WIRELESS ACCESS POINT, FLUSH CEILING MOUNTED.

NOTES:
1. THESE CHANGES APPLY TO ALL SCIENCE CLASSROOMS ON BUILDING K1A & BUILDING C2.
2. VERIFY EXACT LOCATION OF EACH DATA/VIDEO/TV OUTLET PER DISTRICT'S REQUIREMENTS PRIOR TO ROUGH IN.

TYPICAL SCIENCE CLASSROOM

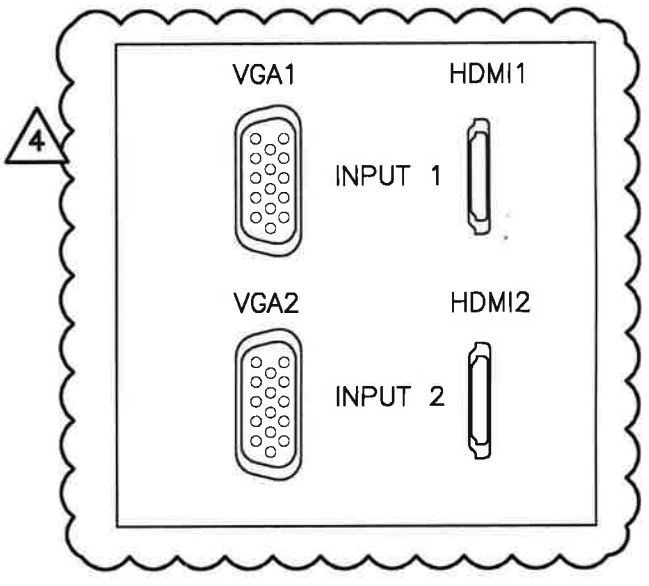
NORTH

SCALE: 1/8"=1'-0"
REFERENCE DRAWING: E-6.2



DETAIL 2(AT TEACHER'S STATIONS)

N.T.S.



DETAIL 1 (FLUSH IN CEILING)

N.T.S.

LICENSED ARCHITECT HENRY H. WOO C-12358 1/31/2013 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER Y DANNY HO No. E9130 Exp. 09/30/2011 ELECTRICAL STATE OF CALIFORNIA

TYPICAL CLASSROOM PARTIAL SIGNAL PLAN & DETAILS SCALE: AS NOTED

PROJECT TITLE:
ALVARADO I.S. PARTIAL MODERNIZATION

DSA NO.: 03-112358 FILE NO.: 19-92
PROJECT NO.: 108RSD13
HENRY WOO ARCHITECTS, INC.

AD4-E2 DATE: 05/05/11

The Rowland Unified School District provides the following information:

The following revisions and/or clarifications shall be made according to the requirements of the Contract Documents. Revise and amend the Contract Documents as follows and all other conditions of the Contract Documents shall remain the same:

Addendum Items

- Any and/or all references made to Bid No.2010/11:7 on the Contract Documents including any and/or all Addendums should read:

  Bid No. 2010/11:13

- Addendum #3:

  Disregard. Not applicable to Bid No. 1010/11:13

- Contractor Pre-Qualification:

  Pre-Qualification is not required for Bid No. 2010/11:13

END OF ADDENDUM NO. 4A