ADDENDUM NUMBER TWO

March 14th, 2016

AVC APPLIED ARTS BUILDING RENOVATION

3041 WEST AVENUE K LANCASTER, CA 93536

Issued By: KRUGER BENSEN ZIEMER ARCHITECTS, INC. 30 West Arrellaga Street Santa Barbara, CA 93101

To all bidders submitting proposal for the captioned project. This Addendum is hereby made part of the Contract Documents to the same extent as though it was originally included therein and takes precedence over the original documents and addenda.

Acknowledge receipt of the Addendum on Form of Proposal

A. PROJECT MANUAL

ITEM NO. 1.1 :

Reference Specification Section 01011 Work Scope Special Conditions

Replace specification section 01011 Work Scope Special Conditions in its entirety with the attached 01011 Work Scope Special Conditions.

ITEM NO. 1.2:

Specification 099123- Interior Painting

Revised specification section 099123, replace entirety with the attached 099123 specification.

ITEM NO. 1.3:

Specification 115200 – Audio Visual Equipment

Revised specification section 115200, changed to manually operated projector screens, replace entirety with the attached 115200 specification.

B. DRAWINGS

ITEM NO. 1.1:

Replace the following sheets in their entirety:

AD-101 See Clouded Addendum No 2 Items

- AD-102 See Clouded Addendum No 2 Items
- A-101 See Clouded Addendum No 2 Items

- A-103 See Clouded Addendum No 2 Items
- A-201 See Clouded Addendum No 2 Items
- A-202 See Clouded Addendum No 2 Items
- A-401 See Clouded Addendum No 2 Items
- A-504 See Clouded Addendum No 2 Items
- A-602 See Clouded Addendum No 2 Items
- P-200 See Clouded Addendum No 2 Items
- E-001 See Clouded Addendum No 2 Items
- E-002 See Clouded Addendum No 2 Items
- E-200 See Clouded Addendum No 2 Items
- E-201 See Clouded Addendum No 2 Items

C. ATTACHMENTS

I. SPECIFICATIONS

Section 099123 Interior Painting

Section 115200 Audio Visual Equipment

II. DRAWINGS

- AD-101 Demo Floor Plan
- AD-102 Demo RCP
- A-101 Partial Site Plan
- A-103 Reflected Ceiling Plan
- A-201 Interior Elevations
- A-202 Interior Elevations
- A-401 Enlarged Floor Plan
- A-504 Interior Details
- A-602 Room Finish Schedule
- P-200 Plumbing Demo Floor Plan
- E-001 Electrical Legend, Symbol, List & General Notes

- E-002 Panel Schedules
- E-200 Partial Electrical Demo Plan
- E-201 Partial Electrical Plan

END OF ADDENDUM NUMBER TWO

WORK SCOPE SPECIAL CONDITIONS

ITEM.	CONTRACTOR CATEGORY NUMBER	A	24	22
11111111111111111111111111111111111111	DESCRIPTION: Contractor shall not interfere with the normal, regular, or existing business operations or activities of the	4	21	22
I	College at the project site.	yes	yes	yes
2	Properly protect existing improvements scheduled to remain when performing work within this category.	yes	yes	yes
3	Properly & completely coordinate all work through the Construction Manager to ensure that all work is properly and efficiently installed per the project manual.	yes	yes	yes
4	All daily reports shall be turned into the Construction Manager on a daily basis.	yes	yes	yes
5	All deliveries and material or equipment moving between construction areas shall be coordinated and approved by the Construction Manager prior to commencement.	yes	yes	yes
6	This Contractor shall include all site visits as requested by the Construction Manager with the purpose of coordinating with the applicable Category Contractors. This Contractor shall also provide, all layouts for the integration of work between this Category and the applicable Categories.	yes	yes	yes
7	Utilize suitable equipment for traversing the site, hauling or relocating of materials, and/or erection of items within this trade regardless of soils conditions or grades at no additional cost or delay to the schedule.	yes	yes	yes
8	Contractors within this category shall pay and maintain cell phone numbers for their project foreman throughout the duration of this project.	yes	yes	yes
9	Provide all job verification and field measuring as may be needed and/or required to ensure that the work is coordinated and fits properly.			yes
10	Repair any and all finishes damaged as a result of the execution of the work in this category.		yes	yes
11	Provide cleanup on a daily basis to insure a clean and safe & accessible work environment.		yes	yes
12	Contractor to provide trash containers and/or properly dispose of waste, trash, lunch trash and debris. This includes procurement of all hauling permits and/or dump fees which may be required. This applies equally to any/all subcontractors employed by the Prime Contractor.		yes	yes
13	Be advised - the project site is located in an area of potential high winds. The protection against and prevention of wind damage to incomplete work or on-site stored materials is the responsibility of the contractor.		yes	yes
14	Be advised - the project site is located in an area of potential high heat. The protection against and prevention of heat damage to incomplete work or on-site stored materials is the responsibility of the contractor.		yes	yes
15	The Construction Manager will set the construction working hours on site.	yes	yes	yes
16	Completely furnish all cutting and patching as required in all existing construction including finishes due to the installation of work of this category contractor.	yes	yes	yes
17	Coordinate through Facilities to sign out a parking pass and badge for each employee.	yes	yes	yes
18	Parking areas shall be designated by the Construction Manager.	yes	yes	yes
19	The Construction Manager will review and approve the placement of all temporary storage containers, trailers and stored materials.	yes	yes	yes

WORK SCOPE SPECIAL CONDITIONS

	CONTRACTOR CATEGORY NUMBER			
ITEM:	DESCRIPTION:	4	21	22
20	It shall be established that any materials delivered "Freight on Board" (FOB) shall be unloaded by the Category Contractor that is receiving these items, any discrepancy in quantities or any damage to any items must be acknowledged at the time of delivery. Any discrepancy in quantity or damage that goes unreported shall be the responsibility of the receiving Category Contractor to replace and/or repair.	yes	yes	yes
21	Provide all barricades, warning lights and signs & safety measures etc. required for the execution of the work within this category.	yes	yes	yes
22	Contractor shall verify and keep all existing systems fully operational as they execute the scope of work within this contract.	yes	yes	yes
23	Provide all demolition as indicated on the project documents unless otherwise noted within this work scope special conditions.	yes		
24	Provide all demolition activities associated with electrical work; conduit, circuits, lights, switches, receptacles, etc.	no	no	yes
25	Provide all demolition activities associated with mechanical work; control conduit, control wire, thermostats, registers etc.	no	yes	no
26	Provide moisture & PH testing prior to commencement of prep/patch for the flooring installation for verification that the existing substrate does not exceed the manufactures recommendations for moisture vapor emission and PH levels.	yes		
27	Provide and maintain all temporary chemical toilets and temporary had wash stations for the duration of the project. A minimum of 2 toilets and 1 hand station at each building staging area shall be provided and may be adjusted based upon the quantity of manpower present on the jobsite. Provide twice a week cleaning.	yes	no	no
28	Provide any and all security measures for the door openings once the frames have been demolished until the new openings have been secured with the new frames, doors and hardware.	yes	no	no
29	This Category Contractor shall verify existing ADA path of travel indicated on documents. If discrepancies are present, issue RFI for direction.	yes	no	no
30	Provide and install all corner guards shown on contract documents.	yes		
31	Provide and install fume hood and associated items for a complete and operable system.	yes		
32	This Category Contractor to include all plumbing activities as shown on Plumbing Drawings and Specifications	yes	no	no
33	Provide and install the operable wall and all associated work to provide a complete and operable system per A- 301 and S-101 and associated specifications (with exception to power- which is supplied by the Category 22 Contractor).	yes		no
34	Provide all final power termination to all equipment including Owner Furnished items. Contractor to provide matching plug and cord for all equipment			yes
35	Provide and install projector mount per detail 10 on sheet A-501 including T-bar escutcheons.	no		yes
36	Provide and install all door and room signage and per sheet A-601.	yes		
37	Provide and install tv mounts per detail 10 on sheet S-101.	no		yes

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER				
ITEM:	DESCRIPTION:	4	21	22
38	This Category Contractor shall include all saw cutting, demolition, trenching, installation of pipe, bedding, backfill and patch for new underground plumbing.	yes	no	no
39	Provide and install structural members shown on S-101 (APL).	yes	no	no.
40	Include all proper shut down activities, draining of existing systems during non school operation hours so as not to disrupt regular schedule activities at the site. Advise the Construction Manager 48 hours ahead of scheduled shut downs.	yes	yes	yes
41	Provide all caulking/ joint sealers shown on the contract documents and spelled out within the specifications for ALL trades. (not including fire caulking)	yes	no	no
42	Each Category Contractor shall be responsible for any penetrations through a fire rated wall- whether shown on the drawings or not.	yes	yes	yes
43	This Category Contractor shall provide all ADA landings as described in detail 2 on sheet A-101(ME)	yes		
44	Provide and install all mechanical units as shown on the Mechanical Drawings (ME) including all mounting racks, suspensions systems in their entirety and as detailed on 3 on sheet S-101 (ME), detail 3 on sheet S-1-1 (ME), detail 2 on sheet S-101 (ME) and all details shown on sheet M-301.	no	yes	
45	This Category Contractor is responsible for the entire condensate drain system as shown on the Mechanical Drawings	no	yes	
46	This Category Contractor shall weather tight roof after all penetrations have been performed on the roof of Building ME for their respective work.		yes	
47	This Category Contractor shall provide all equipment pads for all trades.		no	no
48	Disconnect electrical from abandoned mechanical equipment so the Category 21 Contractor may perform their demolition activities.	no	no	yes
49	Disconnect controls and associated devices from abandoned mechanical equipment.		yes	no
50	Remove and weigh the existing refrigerant from DX system. Provide proper documentation and disposal per applicable law.	no	yes	no
51	Provide and install work associated with keynotes 1&2 on sheet E-203 (ME).		yes	no
52	This Category Contractor to be responsible for all cutting and patching of finishes necessary to perform their respective work underground or in existing walls which is not specifically noted to be removed and replaced on the demolition drawings.	no	yes	yes
53	Provide and install motorized window shades and all associated mounting hardware for complete and operable system per specification section 122413 and the plans.	no		yes
54	Demolition of all windows & doors/ door frames shall be the responsibility of this Category Contractor. Provide temporary security panels until this category installs new doors, walls, windows or Category 21 installs new louvers.	yes		no
55	Provide and install all fixed louvers per the Contract Documents.	no		yes
56	Provide and install all aluminum infill panels per the Contract Documents	yes	no	
57	Provide and install all misc. sheet metal, galvanized steel, etc. as shown on details on sheets A-502	yes		

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER				
ITEM:	DESCRIPTION:	4	21	22
58	This Category Contractor shall provide ALL backing, blocking for all trades unless specifically noted otherwise within this Work Scope Special Conditions.	yes	no	no
59	THIS CATEGORY CONTRACTOR SHALL SUBMIT ALL SUBMITTALS AND SHOP DRAWINGS WITHIN FIVE (5) BUSINESS DAYS AFTER RECEIPT OF NOTICE OF INTENT TO AWARD. AFTER RECEIVING APPROVAL, CONTRACTOR WILL IMMEDIATELY ORDER ALL ITEMS THAT HAVE LONG LEAD TIMES TO ENSURE THE MATERIAL IS AVAILABLE BY THE SCHEDULED CONSTRUCTION START. CONTRACT WILL BE ABLE TO TO BILL FOR STORED MATERIAL AFTER SUBMITTING INVOICES AND PROOF OF DELIVERY.	yes	yes	yes
60	This Category Contractor shall provide and install all projector screens with mount and hardware.	no	no	yes
61	These Category Contractor shall include all allowances detailed in specification section 01210 for their respective category.	yes	yes	yes
62	This Category Contractor shall include 1000' lineal feet of temporary fencing for the duration of the project. All fencing shall include wind screen. Refer to A-101 for temp fencing.	yes	no	no
63	This Category Contractor shall include a final cleaning including waxing of floors, final wipe down of all finishes, including ceilings for both buildings.	yes		
64	All electrical work within walls to be demolished shall be this Category Contractors to remove and dispose of properly.			yes
65	All plumbing including oxygen utilities within wall to be demolished shall be this Category Contractors to remove and dispose of properly.	yes	no	no
66	This Category Contractor shall remove and relocate the existing projector mount within A115	no	no	yes
67	All reference notes shown on P-200 shall be the responsibility of this Category Contractor.	yes	no	no
68	This Category Contractor shall include all power, data including terminations to Points of Connections at tables within ME Building. Please reference Specifications Section 123210 for further coordination information. If wire is to be ran in tables this will be included in this category as well.	no		yes
69	Remove existing trees, shrubs, landscaping as shown on A-101 (ME) in order to install new CMU wall.	yes	no	no
70	Where ever louvers are shown at the exterior of building (A-201 -ME) Category 4 will demolish window and Category 21 will provide and install new louvers.	yes	yes	no
71	THIS CATEGORY CONTRACTOR SHALL INCLUDE IN THEIR BID ALL LOW VOLTAGE CABLING FROM DEIVCES SHOWN ON DRAWINGS TO NEAREST IDF CABINET.	NO	NO	YES

SECTION 099123 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes surface preparation and the application of paint systems on the following interior substrates:
 - 1. Gypsum Board
 - 2. Steel Door Frames
 - 3. Steel Doors
 - 4. Galvanized metal ductwork
- B. Related Sections include the following:
 - 1. Division 01 Section "Indoor Air Quality (IAQ) Management".
 - 2. Division 08 Sections "Hollow Metal Doors and Frames" for factory priming doors with primers specified in this Section.
 - 3. Division 09 Section "Gypsum Board".

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples for Initial Selection: For each type of topcoat product indicated.
- C. Samples for Verification: For each type of paint system and in each color and gloss of topcoat indicated.
 - 1. Submit Samples on substrates they will be applied to, 8 in x 10" min.
 - 2. Label each Sample with paint system, color, gloss level, location and application area.
- D. Product List: For each product indicated, include the following:
 - 1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
 - 2. Printout of current "MPI Approved Products List" for each product category specified in Part 2, with the proposed product highlighted.
- E. Environmental Submittals:

Reference Standard: California Green Building Standards Code California Code of Regulations, Title 24, Part 11 (CALGreen).

- 1. Provide Project Data:
 - a. For paint systems, documentation including printed statement of VOC content.

1.4 QUALITY ASSURANCE

- A. Mockups: Apply (2) mockup benchmark paint sample colors one complete wall and one complete door and frame (both sides), to verify colors selected, demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Coordinate areas to be painted with Architect prior to starting mockups.
 - 2. Apply benchmark samples after permanent lighting and other environmental services have been activated.
 - 3. Final approval of color selections will be based on benchmark samples.
 - a. If preliminary color selections are not approved, apply additional benchmark samples of additional colors selected by Architect at no added cost to Owner.
 - b. Accepted samples may remain as part of the Work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.6 PROJECT CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

1.7 EXTRA MATERIALS

- A. Furnish extra materials described below that are from same production run (batch mix) as materials applied and that are packaged for storage and identified with labels describing contents.
 - 1. Quantity: Furnish an additional 5 percent, but not less than 1 gal. of each material and color applied.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Dunn Edwards Corporation (basis of design)
 - 2. Frazee Paint
 - 3. PPG Coatings

2.2 PAINT, GENERAL

- A. Material Compatibility:
 - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- B. Colors: As indicated on Drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Concrete: 12 percent.
 - 2. Gypsum Board: 12 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- D. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.
 - 1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Remove plates, machined surfaces, and similar items already in place that are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
 - 2. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
- C. Prepare existing gypsum board surfaces that have had wallcovering removed by patching, sanding to remove adhesive, and prepping as necessary to achieve a Level 4 finish per ASTM C840 Drywall Finish Standards.
- D. Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and re-prime substrate with compatible primers as required to produce paint systems indicated.
- E. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.
- F. Steel Substrates: Remove rust and loose mill scale. Clean using methods recommended in writing by paint manufacturer.
- G. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal fabricated from coil stock by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- H. Patched Gypsum Board Substrates: Do not begin paint application until finishing compound is dry and sanded smooth.
- 3.3 APPLICATION
 - A. Apply paints according to manufacturer's written instructions.
 - 1. Use applicators and techniques suited for paint and substrate indicated.
 - 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 - 3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.

- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- E. Painting Mechanical and Electrical Work: Paint items exposed in occupied spaces including, but not limited to, the following:
 - 1. Mechanical Work:
 - a. Un-insulated metal piping.
 - b. Un-insulated plastic piping.
 - c. Pipe hangers and supports.
 - d. Metal ducts, without liner.
 - e. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
 - f. Mechanical equipment that is indicated to have a factory-primed finish for field painting.
 - 2. Electrical Work:
 - a. All exposed electric conduit.
 - b. Electrical equipment that is indicated to have a factory-primed finish for field painting.

3.4 FIELD QUALITY CONTROL

- A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure at any time and as often as Owner deems necessary during the period when paints are being applied:
 - 1. Owner will engage the services of a qualified testing agency to sample paint materials being used. Samples of material delivered to Project site will be taken, identified, sealed, and certified in presence of Contractor.
 - 2. Testing agency will perform tests for compliance with product requirements.
 - 3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove non-complying-paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

SECTION CONTINUED ON NEXT PAGE

3.6 INTERIOR PAINTING SCHEDULE

- E. Wood Stain with Clear Satin Finish Finish Type **P22I**:
 - 100% Acrylic System, Semi-Gloss Finish (Gloss Level 40-50% on a 60° meter) 1st coat: Old Masters Oil Based Wiping Stain (250 g/L VOCs). 2nd coat: Old Masters Water-Based Polyurethane - 755 Satin Finish (275 g/L VOCs). 3rd coat: Old Masters Water-Based Polyurethane - 755 Satin Finish (275 g/L VOCs).
- F. Type X Gypsum Board Paint Type **P25B**:
 - 100% Acrylic System, Semi-Gloss Finish (Gloss Level 40-50% on a 60° meter) 1st coat: Dunn Edwards, ULTRA-GRIP Premium, Multi-Surface, Water-Based Primer, (50 g/L VOCs). 2nd coat: Dunn Edwards, EVEREST, EVER50, 100% Acrylic, (2 g/L VOCs). 3rd coat: Dunn Edwards, EVEREST, EVER50, 100% Acrylic, (2 g/L VOCs).
- G. Type X Gypsum Board Paint Type **P25C**:
 - 100% Acrylic System, Eggshell Finish (Gloss Level 10-15% on a 60° meter) 1st coat: Dunn Edwards, ULTRA-GRIP Premium, Multi-Surface, Water-Based Primer, (50 g/L VOCs). 2nd coat: Dunn Edwards, EVEREST, EVER30, 100% Acrylic, (2 g/L VOCs). 3rd coat: Dunn Edwards, EVEREST, EVER30, 100% Acrylic, (2 g/L VOCs).
- H. Cement Plaster or Concrete Paint Type **P26C**:
 - Acrylic Eggshell Finish (Gloss Level 10-15% on a 60° meter) 1st coat: Dunn Edwards, SUPER-LOC Premium, SLPROO-2-WH, Masonry/Bonding Primer, (50 g/L VOCs). 2nd coat: Dunn Edwards, SPARTAZERO, SZR030, (2 g/L VOCs). 3rd coat: Dunn Edwards, SPARTAZERO, SZR030, (2 g/L VOCs).
- I. Metal Doors and Metal Frames Paint Type **P28B**:
 - Acrylic Urethane System, Semi-Gloss Finish (Gloss Level 40-50% on a 60° meter) 1st coat: Dunn Edwards, BLOC-RUST Premium, BRPROO-2-WH, Rust Inhibitive Water-Based Primer, 50 g/L VOCs). 2nd coat: Dunn Edwards, ULTRASHIELD, ULDM50, (0 g/L VOCs). 3rd coat: Dunn Edwards, ULTRASHIELD, ULDM50, (0 g/L VOCs).
- J. Exposed Metal Mechanical & Electrical Equipment Paint Type **P29D**:
 - Fast-Drying, Non-bridging Waterborne Dry Fall Flat Finish 1st coat: Dunn Edwards, AQUAFALL, AQUA10, (35 g/L VOCs). 2nd coat: Dunn Edwards, AQUAFALL, AQUA10, (35 g/L VOCs).

THIS SECTION CONTINUED ON FOLLOWING PAGE

099123 INTERIOR PAINTING - 9

Date:	Project Name: Antelop	e Valley College – Applied Arts Building Renovation			
WARRANTY FOR District		, in Agreement between <u>Antelope Valley Com. College</u>			
	 (Specification Section) 	(Owner)			
and		· · · · /			
(the "Contractor")		Name of Installer or Subcontractor or Manufacturer)			
hereby guarantees to	the Owner that the portion of	of the Work described as follows:			
		, which it has provided for the above			
-		defects; free from any liens, claims, and security interests; and ation Section and the other requirements of			
•		e within after the date hereof the undersigned			

receives notice from the Owner that the aforesaid portion of the Work is unsatisfactory, faulty, deficient, incomplete, or not in conformance with the requirements of the Contract, the undersigned will, within ten (10) calendar days after receipt of such notice, correct, repair, or replace such portion of the Work, together with any other parts of the Work and any other property which is damaged or destroyed as a result of such defective portion of the Work or the correction, repair, or replacement thereof; and that it shall diligently and continuously prosecute such correction, repair, or replacement to completion.

In the event the undersigned fails to commence such correction, repair, or replacement within ten (10) calendar days after such notice, or to diligently and continuously prosecute the same to completion, the undersigned, collectively and separately, do hereby authorize the Owner to undertake such correction, repair, or replacement at the expense of the undersigned; and the Contractor will pay to the Owner promptly upon demand all costs and expenses incurred by the Owner in connection therewith.

This warranty shall be in addition to and not a limitation of other rights the Owner may have against the Contractor under the Contract Documents.

Signed	Title
Typed Name	
Name of Firm	
Contractor License Number	
Address	
Phone Number	
MANUFACTURER (If Applicable)	
Signed	Title
Typed Name	
Name of Firm	
<u>CONTRACTOR</u>	
Signed	Title
Typed Name	
Name of Firm	

SUBCONTRACTOR OR INSTALLER

END OF SECTION 099123

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SECTION 115200 – AUDIO-VISUAL EQUIPMENT

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
 - A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes the following items:
 - 1. Manually operated, front projection screens.
 - 2. Mounts for LCD projectors.
 - 3. Mounts for flat panel TV's.
- B. Related Sections:
 - 1. Division 09 Section "Non-Structural Framing" for metal stud blocking.
 - 2. Division 09 Section "Acoustical Tile Ceilings".

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, bracket information, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: Show layouts and types of front-projection screens. Include the following:
 - 1. Drop lengths.
 - 2. Anchorage details, including connection to supporting structure.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: To include in maintenance manuals.
- B. Warranties: Sample of manufacturer's warranties.
- 1.5 DELIVERY, STORAGE, AND HANDLING
 - A. Environmental Limitations: Do not deliver or install front-projection screens until spaces are enclosed and weather-tight, wet work in spaces is complete and dry, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

- B. Deliver all materials free from damage in original packages bearing manufacturer's label.
- C. Store all materials in such a manner as to protect them from corrosion, vandalism or damage in any form.

1.6 COORDINATION

A. Coordinate layout and installation of front-projection screens with adjacent construction, including ceiling suspension systems, light fixtures, HVAC equipment, and fire-suppression system.

PART 2 - MATERIALS

- 2.1 MANUALLY-OPERATED, FRONT-PROJECTION SCREENS
 - A. Basis of Design: Provide Da-Lite Screen Company; Deluxe Model B with CSR, video spectra 1.5 wall-mounted screens.
 - B. General: Manufacturer's standard units consisting of case, screen, mounting accessories, and other components necessary for a complete installation.
 - 1. Screen Mounting: Top edge securely anchored to rigid metal roller and bottom edge formed into a pocket holding a 3/8-inch- (9.5-mm-) diameter metal rod with ends of rod protected by plastic caps.
 - a. Roller for motor in roller is supported by vibration- and noise-absorbing supports.
 - 2. Tab Tensioning: Provide units that have a durable low-stretch cord, such as braided polyester, on each side of screen that is connected to edge of screen by tabs to pull screen flat horizontally.
 - C. Surface-Mounted, Metal-Encased, Manually Operated Screens with Tab Tensioning: designed and fabricated for surface mounting on wall or ceiling, fabricated from formed-steel sheet not less than 0.027 inch (0.7 mm) thick or from aluminum extrusions; with flat back design and baked-enamel finish. Provide with matching end caps and concealed mounting.
 - D. Screen Material: Seamless flame retardant and mildew-resistant vinyl sheet with black masking borders and extra drop as required.
 - E. Size of Viewing Surface: 16:9 HDTV Format.
 - 1. At Classroom and Lab: 52 by 92 inches (106 inches nominal diagonal).

2.2 PROJECTOR MOUNT

A. Basis of Design: Provide products by Business Machine Security, <u>www.LocDown.com</u>, or approved equal.

- 1. Drop Ceiling Plate: Model #DCP-ADJ 824 Adjustable Projector Mount Bracket Plate.
 - a. 16 gauge steel
 - b. Size: 8 by 24 inches.
 - c. Install above suspended acoustical tile with security cable and hanger wire support as shown on Drawings.
 - d. Maximum Load: 60 lbs.
- 2. Ceiling Projector Mount: Model #LCD LOC II Universal Mount
 - a. Two interlocking steel trays to provide security and stability for LCD/DLP projectors.
 - b. Adjustment: ±15% tilt, pitch, roll and 360° swivel.
 - c. Maximum Load: 150 lbs.
 - d. Color: Grey (standard).
- 3. Locking Mechanism: Provide high-security, pick resistant, five wafer, cylindrical screw type key lock at Drop Ceiling Plate and Project Mount.
 - a. Key alike.

2.3 FLAT PANEL MONITOR MOUNT

- A. Basis of Design: Provide products by Premier Mounts, 3130 East Miraloma Ave., Anaheim, CA 92806, (800) 368-9700, or approved equal.
 - 1. Universal Low Profile Tilt Mounts:
 - a. Model P4263T for 42 inch to 63 inch LCD monitors.
 - b. Model P5080T for 50 inch to 80 inch LCD monitors.
 - 2. Swing-Out Arm for Large Displays
 - a. Model PREM-AM175 for 42 inches and larger. Confirm model of LCD monitor with Owner prior to ordering.

PART 3 - EXECUTION

- 3.1 PREPARATION
 - A. Coordinate and provide blocking in walls for proper and secure attachment of wall mounts.
- 3.2 INSTALLATION OF AUDIO-VISUAL EQUIPMENT, GENERAL
 - A. Install in accordance with manufacturer's recommendations.
 - B. Mounts are to be level and plumb.

- C. Touch up scratches on mounts or marks on ceiling and wall.
- D. Deliver mounting bolts or other loose accessories to the District in a clearly labeled carton for District's use in installing projector.
- 3.3 FRONT PROJECTION SCREEN INSTALLATION
 - A. Install front-projection screens at locations indicated to comply with screen manufacturer's written instructions.
 - B. Install front-projection screens with screen cases in position and in relation to adjoining construction indicated. Securely anchor to supporting substrate in a manner that produces a smoothly operating screen with vertical edges plumb and viewing surface flat when screen is lowered.

3.4 PROTECTION

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

THIS SECTION CONTINUED ON FOLLOWING PAGE

115200 AUDIO-VISUAL EQUIPMENT - 5

Date:	Project Name: Antelope Valley College – Applied Arts Building Renovation
	- /
	in Agreement between Antelene Velley Comm. College District

	л	, in Agreement between <u>Antelope valley Comm. College District</u>			
	(Specification Section)	(Owner)			
and					
(th	e "Contractor")	Name of Installer or Subcontractor or Manufacturer)			
hereby guarantees to the Owner that the portion of the Work described as follows:					

______, which it has provided for the above referenced Project, is of good quality; free from defects; free from any liens, claims, and security interests; and has been completed in accordance with Specification Section ______ and the other requirements of the Contract.

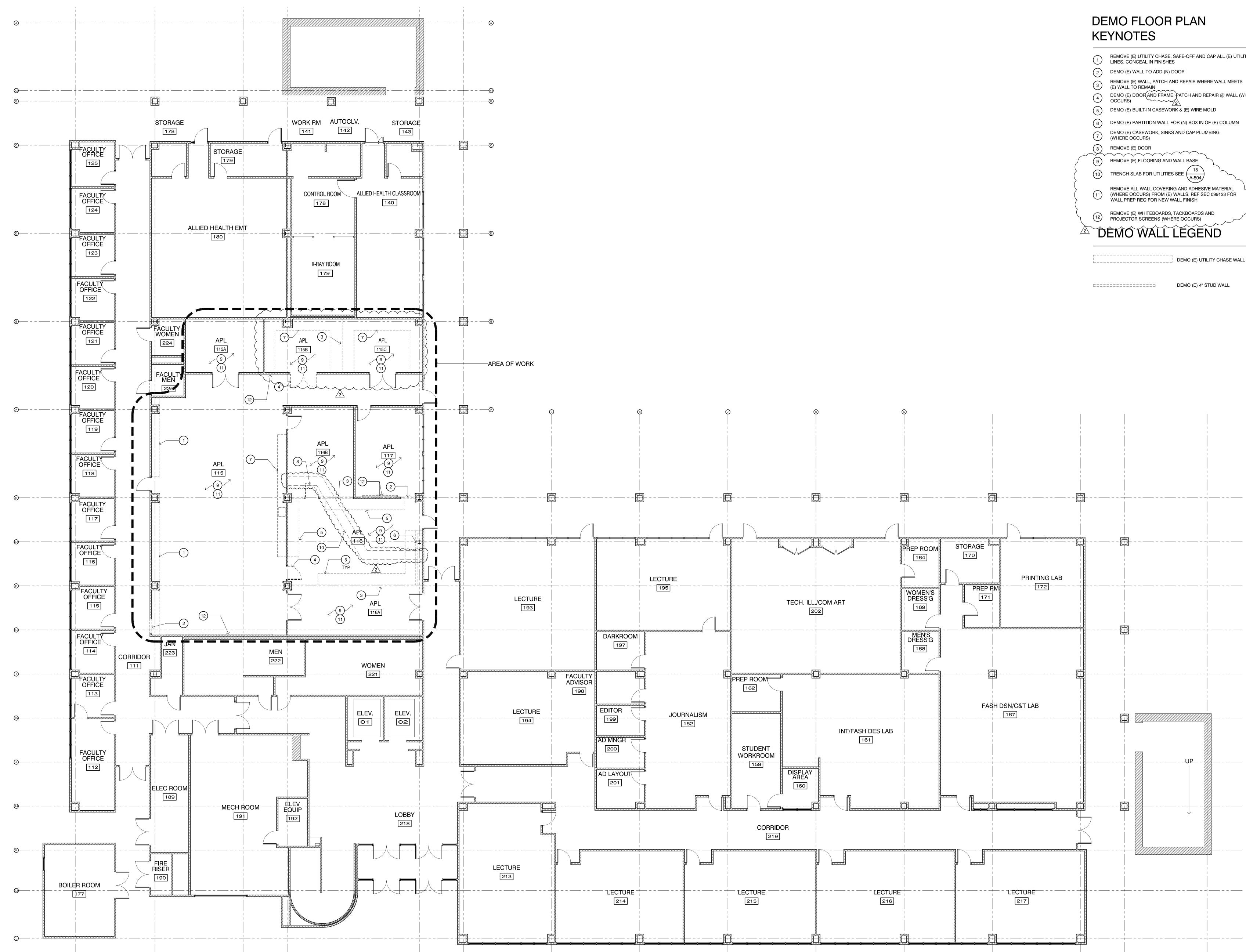
The undersigned further agrees that, if at any time within ______ after the date hereof the undersigned receives notice from the Owner that the aforesaid portion of the Work is unsatisfactory, faulty, deficient, incomplete, or not in conformance with the requirements of the Contract, the undersigned will, within ten (10) calendar days after receipt of such notice, correct, repair, or replace such portion of the Work, together with any other parts of the Work and any other property which is damaged or destroyed as a result of such defective portion of the Work or the correction, repair, or replacement thereof; and that it shall diligently and continuously prosecute such correction, repair, or replacement to completion.

In the event the undersigned fails to commence such correction, repair, or replacement within ten (10) calendar days after such notice, or to diligently and continuously prosecute the same to completion, the undersigned, collectively and separately, do hereby authorize the Owner to undertake such correction, repair, or replacement at the expense of the undersigned; and the Contractor will pay to the Owner promptly upon demand all costs and expenses incurred by the Owner in connection therewith.

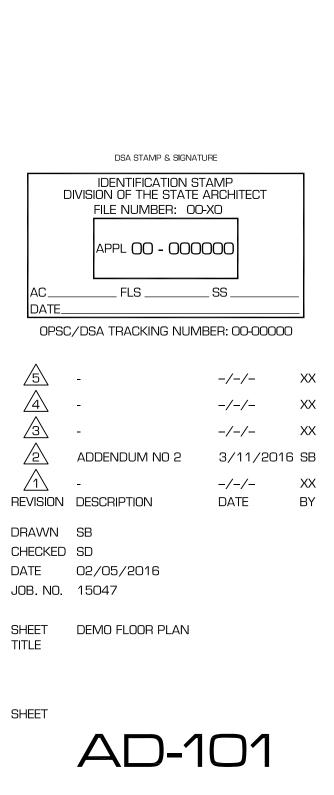
This warranty shall be in addition to and not a limitation of other rights the Owner may have against the Contractor under the Contract Documents.

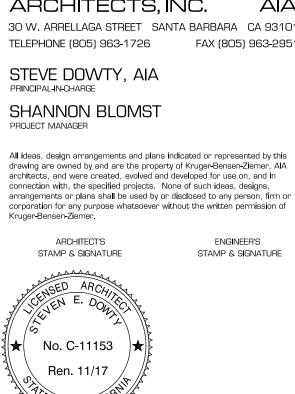
END OF SECTION 115200

DEMO FLOOR PLAN SCALE: 1/8"-1'-0"



1 REMOVE (E) UTILITY CHASE, SAFE-OFF AND CAP ALL (E) UTILITY LINES, CONCEAL IN FINISHES REMOVE (E) WALL, PATCH AND REPAIR WHERE WALL MEETS 4 DEMO (E) DOOR AND FRAME, PATCH AND REPAIR @ WALL (WHERE OCCURS) (6) DEMO (E) PARTITION WALL FOR (N) BOX IN OF (E) COLUMN (1) REMOVE ALL WALL COVERING AND ADHESIVE MATERIAL (WHERE OCCURS) FROM (E) WALLS, REF SEC 099123 FOR WALL PREP REQ FOR NEW WALL FINISH





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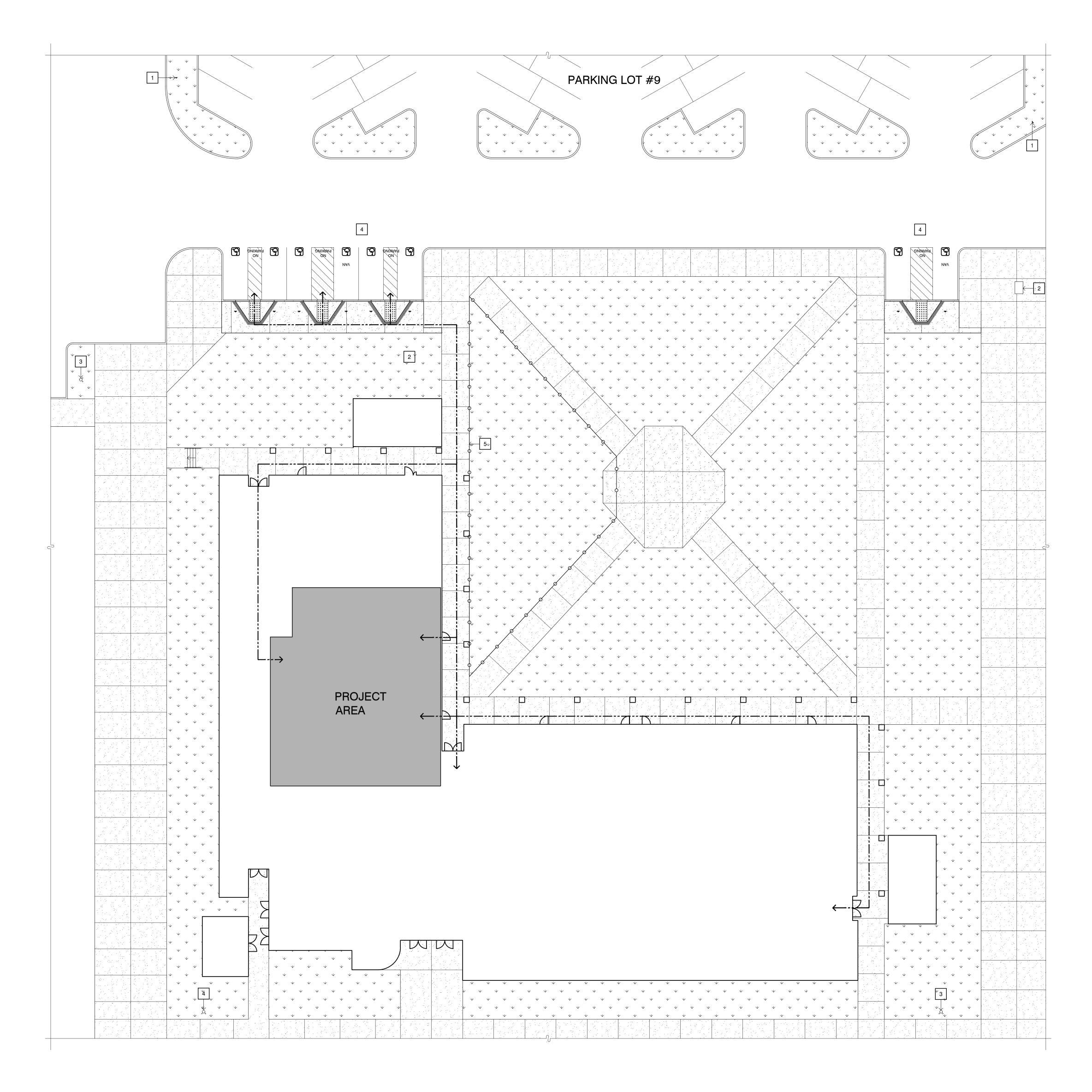
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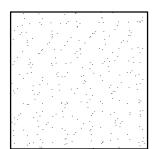
1 PARTIAL SITE PLAN SCALE: 1/16" = 1'-0"

SITE PLAN KEYNOTES

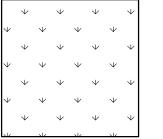
1 (E) ACCESSIBLE PARKING LOT ENTRANCE SIGN
--

- 2 (E) ELECTRICAL SWITCH BOX
- (E) FIRE HYDRANT
- (E) ACCESSIBLE PARKING SPACES TEMPORARY CONSTRUCTION SAFETY FENCING, REMOVE AFTER CONSTRUCTION





(E) HARDSCAPE



(E) LANDSCAPE

 $\overline{\mathbb{R}}$ <u> /2/</u> ACCESSIBLE PATH OF TRAVEL (POT) <u>/1</u> DRAWN SB CHECKED SD



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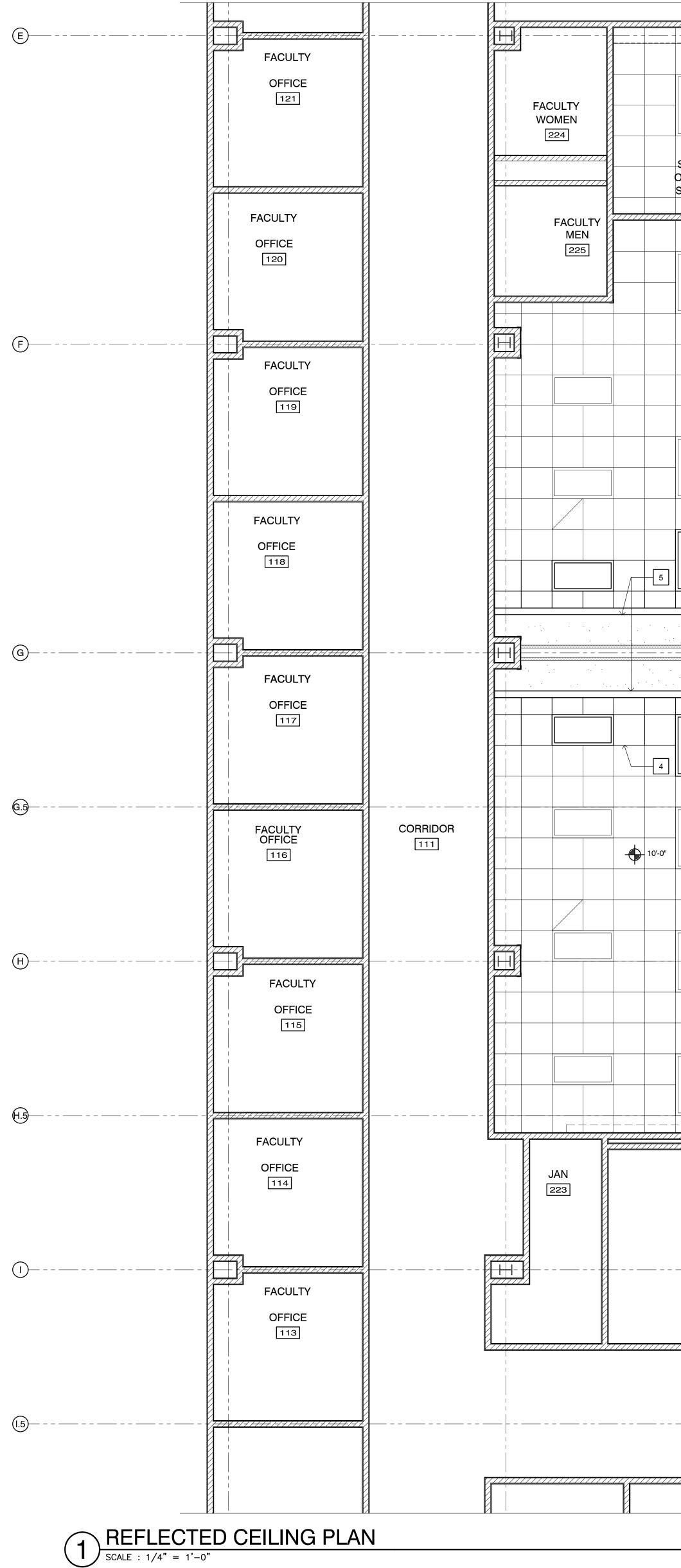
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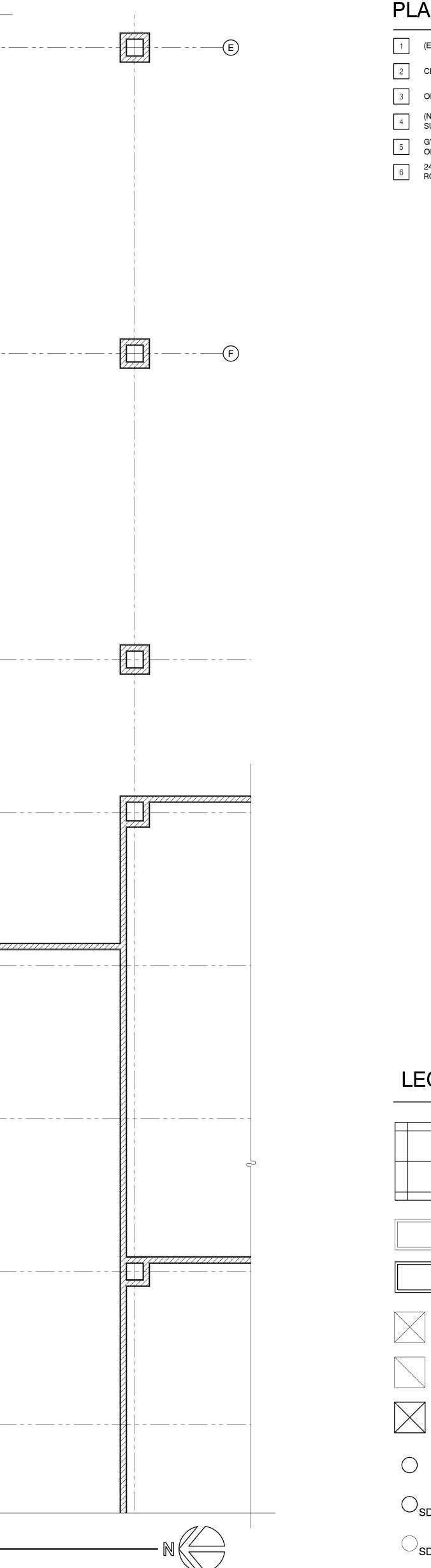
DATE 02/05/2016 JOB. NO. 15047

SHEET PARTIAL SITE PLAN TITLE





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		Image: state stat	
		WOMEN	ELEV.



REFLECTED CEILING PLAN KEYNOTES

- 1 (E RELOCATED DEILING MOUNT PROJECTOR
- 2 CEILING MOUNT PROJECTOR A-501
- 3 OPERABLE PARTITION WALL
- (N) 24" x 24" LAY-IN ACOUSTICAL TILE AND METAL SUSPENSION SYSTEM TO MATCH (E) CLNG
- 5 GYP BRD POCKET/SOFFIT @ 1 OPERABLE PARTITION WALL A-504
- 6 24" x 24" PERFORATED FACE STEEL RETURN AIR REGISTER w/ ROUND NECK ADAPTOR, INLAY INTO 2x2 SUSPENDED CLG GRID

LEGEND

	(N) 2x2 SUSPENDED ACOUSTICAL CEILING TILES TO MATCH (E)
	(E) 2x4 RECESSED LIGHT FIXTURE TO REMAIN
	(N) 2x4 RECESSED LIGHT FIXTURE TO MATCH (E)
	(E) AIR DIFFUSER TO REMAIN
	(E) AIR-INTAKE TO REMAIN
\mathbf{X}	(N) AIR-INTAKE PER MECHANICAL (24" x 24" PERFORATED FACE STEEL)
\bigcirc	(N) OCCUPANCY SENSOR
O _{SD}	(N) SMOKE DETECTOR
\bigcirc_{SD}	(E) SMOKE DETECTOR

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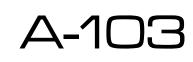
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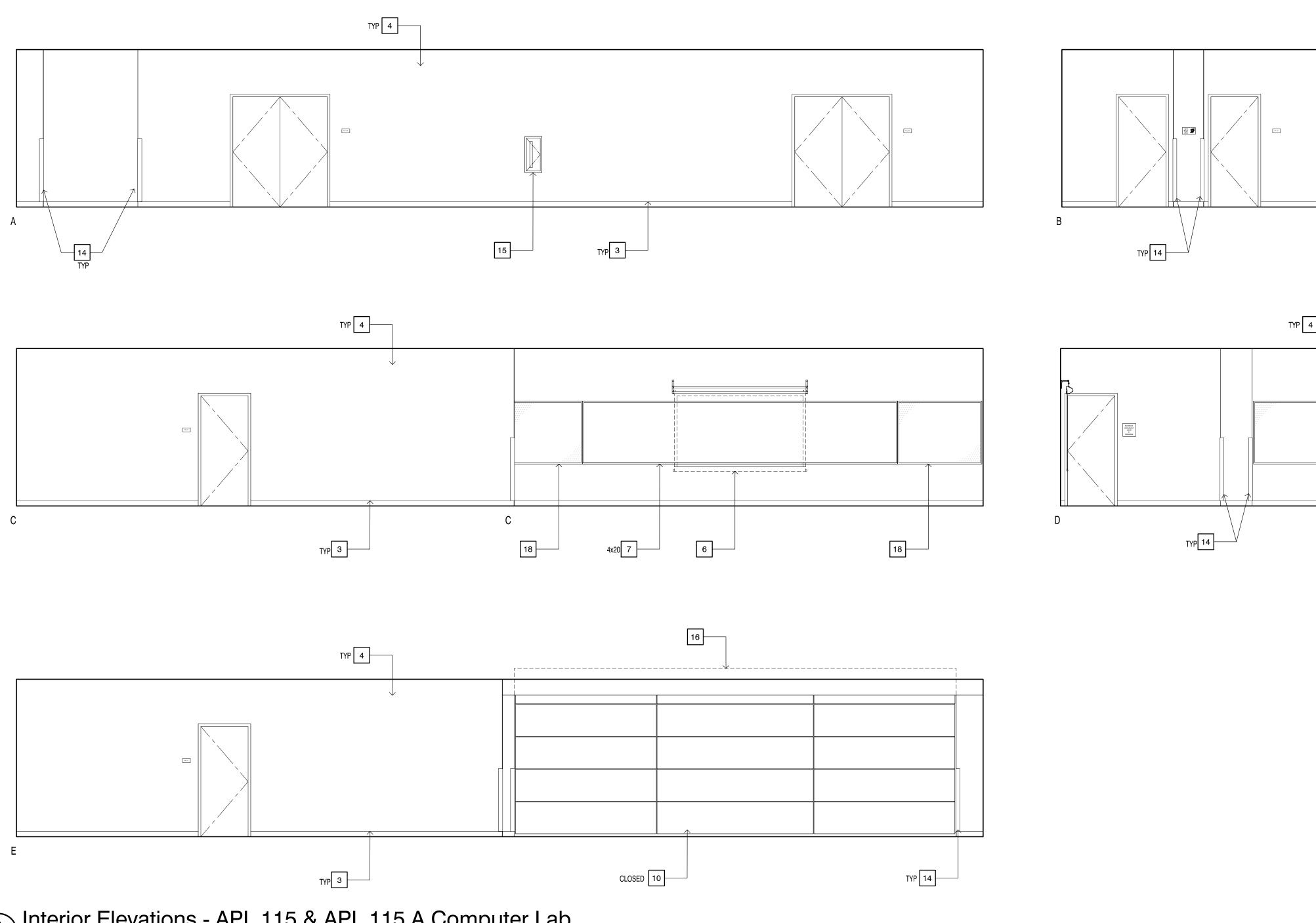
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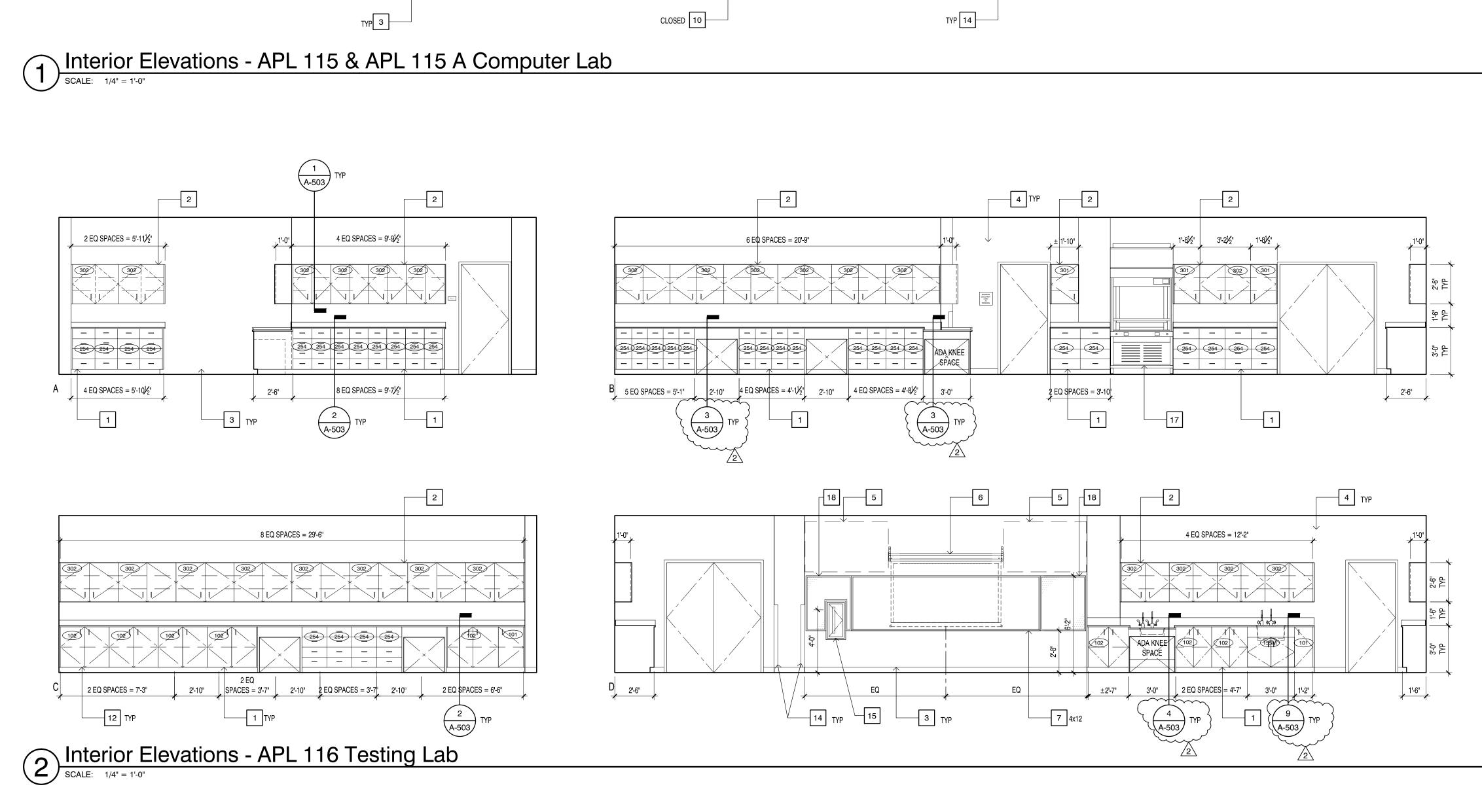
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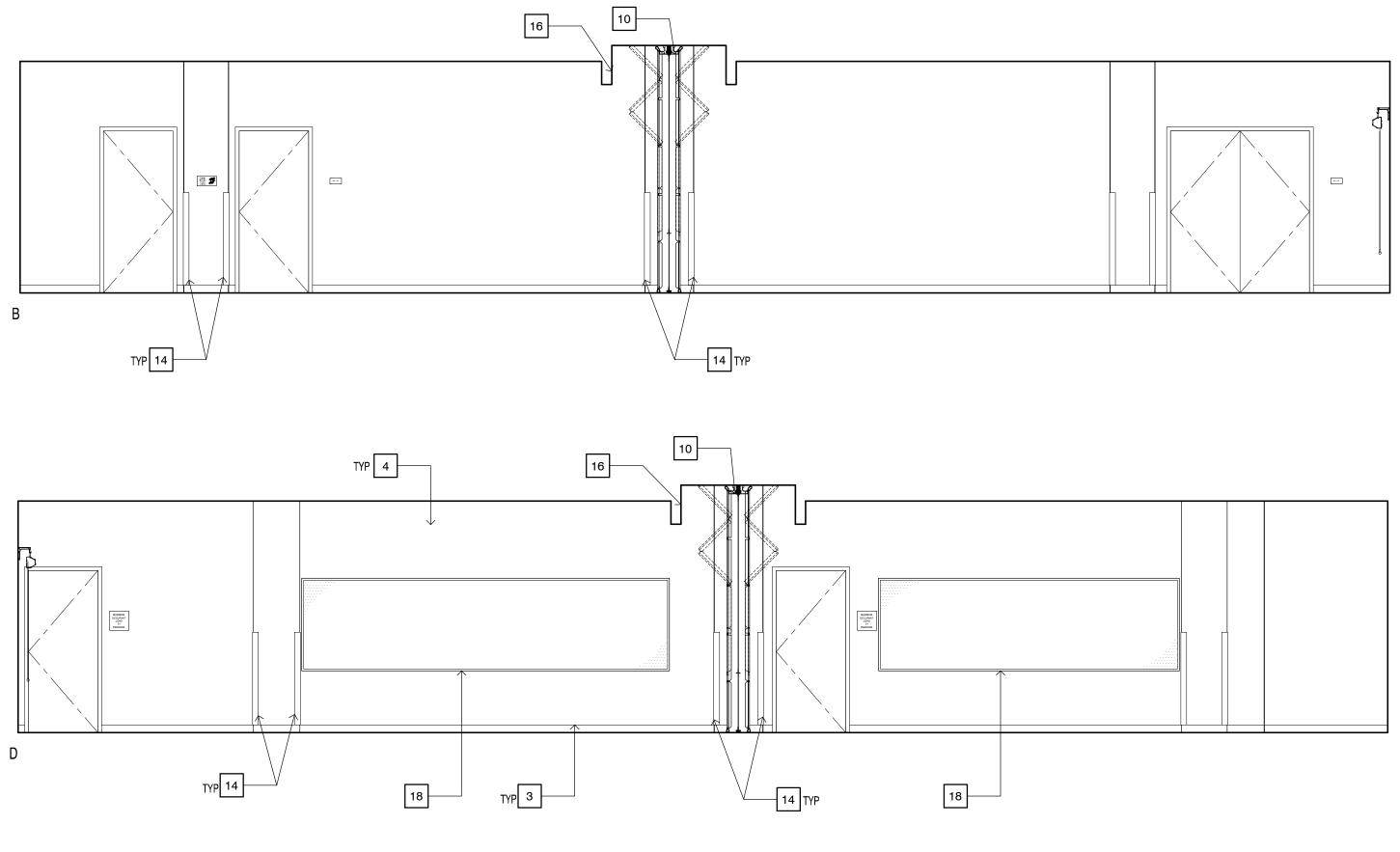
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SHEET REFLECTED CEILING PLAN TITLE

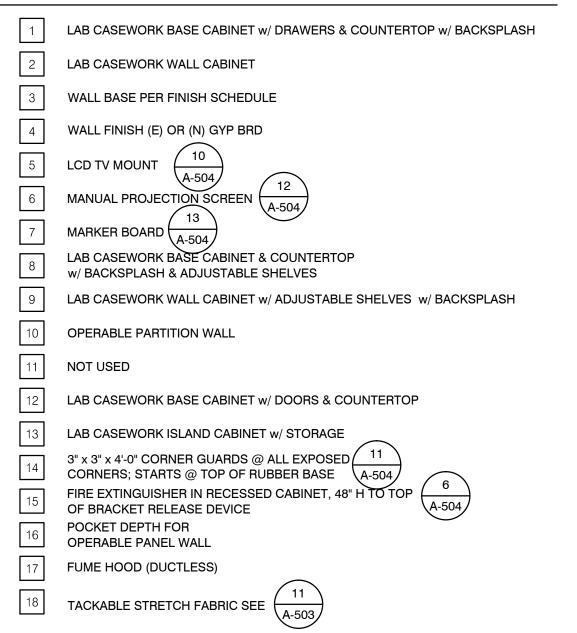


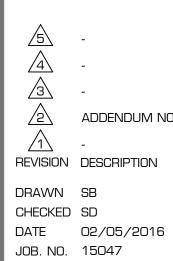






INTERIOR ELEVATIONS KEYNOTES





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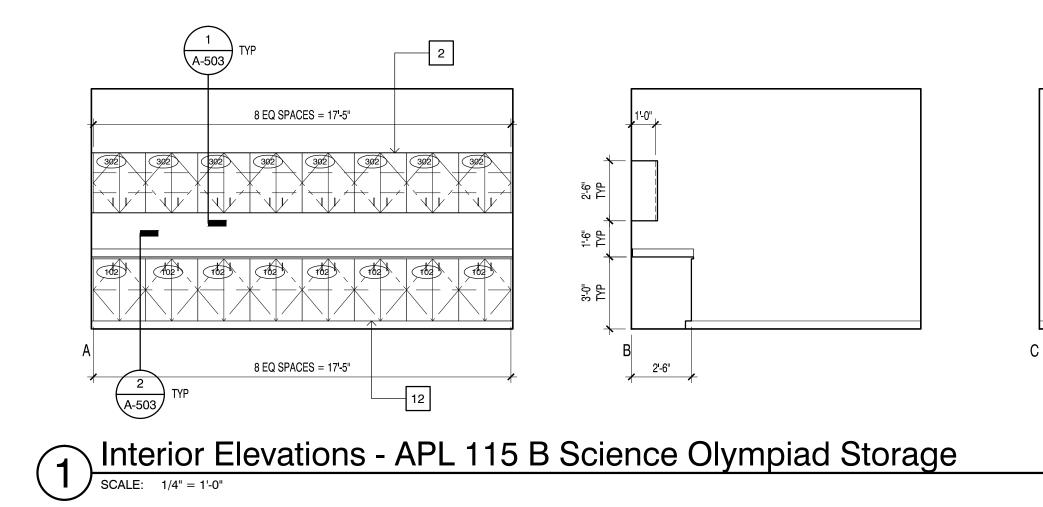
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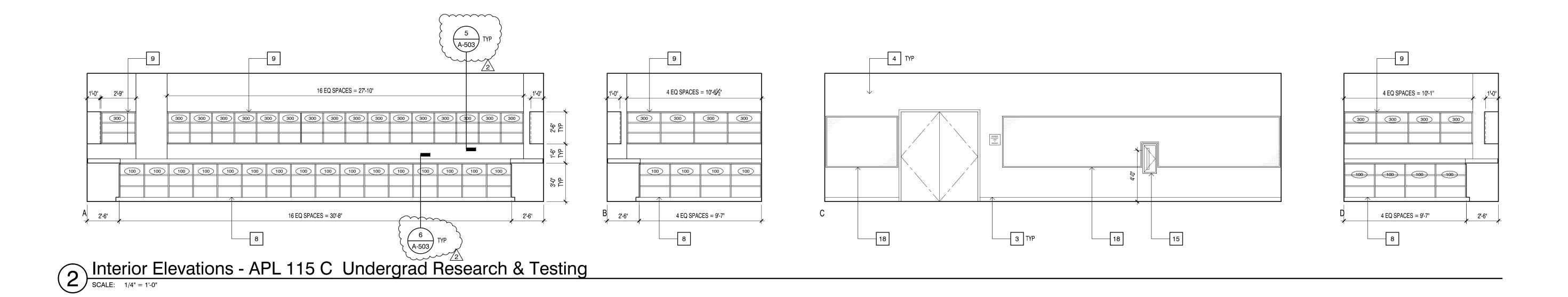
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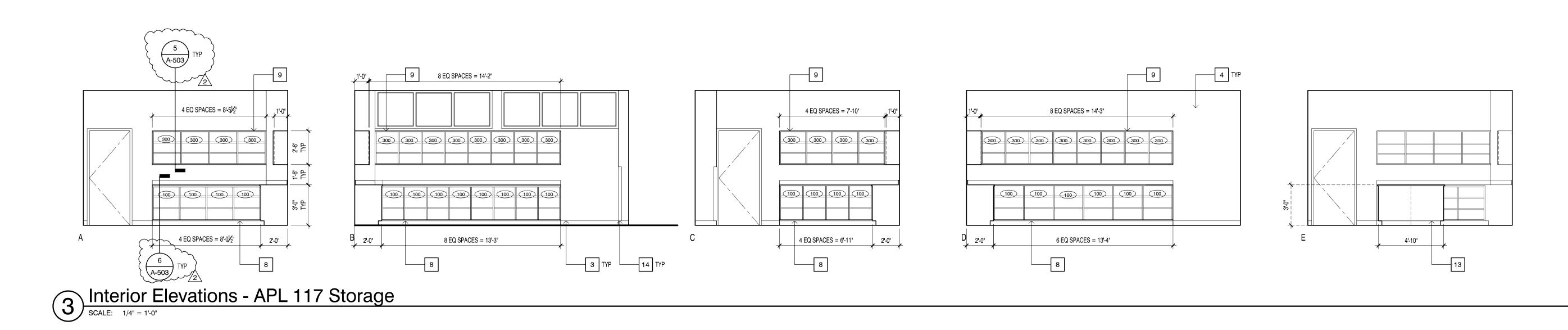
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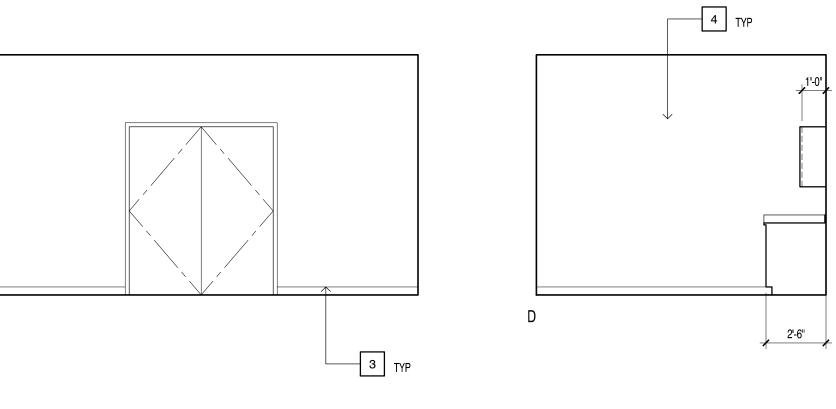
SHEET INTERIOR ELEVATIONS TITLE











INTERIOR ELEVATIONS KEYNOTES

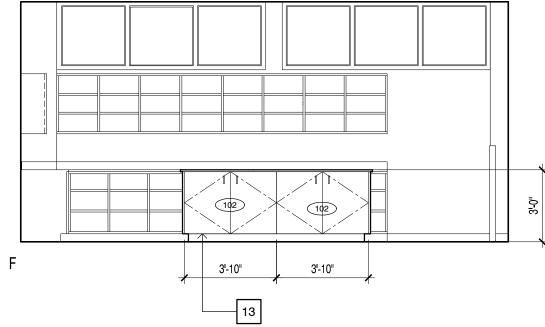
1 LAB CASEWORK BASE CABINET w/ DRAWERS & COUNTERTOP w/ BACKSPLASH

- 2 LAB CASEWORK WALL CABINET
- 3 WALL BASE PER FINISH SCHEDULE
- 4 WALL FINISH (E) OR (N) GYP BRD
- 5 LCD TV MOUNT
- A-504/ 6 MANUAL PROJECTION SCREEN (12) A-504
- 7
- MARKER BOARD 8
- LAB CASEWORK BASE CABINET & COUNTERTOP w/ BACKSPLASH & ADJUSTABLE SHELVES
- LAB CASEWORK WALL CABINET w/ ADJUSTABLE SHELVES w/ BACKSPLASH 10 OPERABLE PARTITION WALL
- 11 NOT USED
- 12 LAB CASEWORK BASE CABINET w/ DOORS & COUNTERTOP
- LAB CASEWORK ISLAND CABINET w/ STORAGE
- 3" x 3" x 4'-0" CORNER GUARDS @ ALL EXPOSED
 11

 CORNERS; STARTS @ TOP OF RUBBER BASE
 A-504

 FIRE EXTINGUISHER IN RECESSED CABINET, 48" H TO TOP
 6

 OF BRACKET RELEASE DEVICE
 A-504
- POCKET DEPTH FOR OPERABLE PANEL WALL 16
- 17 FUME HOOD (DUCTLESS)
- 18 TACKABLE STRETCH FABRIC SEE (11) A-503



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SHEET INTERIOR ELEVATIONS TITLE





FLOOR PLAN KEYNOTES

1	(E) RESTROOMS TO REMAIN
2	DOOR AND LEVER HARDWARE TO MATCH (E) DOORS, TO BE PAINTED PER FINISH SCHEDULE
3	30"D LAB CASEWORK w/ STORAGE ABOVE & BELOW
4	
5	LCD TV MOUNT $\begin{pmatrix} 10 \\ A-504 \end{pmatrix}$
6	BUILT-IN CASEWORK w/ UPPER CABINETS
7	MARKER BOARD
8	MOVABLE TEACHING PODIUM (NIC)
9	CEILING MOUNT PROJECTOR ABOVE, 4-501
10	ALL (E) DOORS AND HARDWARE TO REMAIN, TO BE PAINTED PER FINISH SCHEDULE
11	ALL (E) WINDOWS TO REMAIN
12	POCKET ABOVE FOR OPERABLE PARTITION WALL
13	TACKABLE STRETCH FABRIC
14	LAB CASEWORK w/ 2 SINKS
15	3" x 3" x 4'-0" CORNER GUARDS @ ALL EXPOSED CORNERS; STARTS @ TOP OF RUBBER BASE $A-504$
16	FIRE EXTINGUISHER IN 6 RECESSED CABINET 6 A-504
17	PATCH WALL AT REMOVED DOUBLE DOORS, %" TYPE X GYP BRD ON 6" D MTL STUDS @ 16" OC
18	REPLACE DOOR HARDWARE, RE-USE (E) DOOR
19	HEARING ASSISTANCE SIGNAGE PER
20	HEARING ASSISTANCE SYSTEM PORTABLE
21	TRENCH SLAB FOR UTILITIES SEE

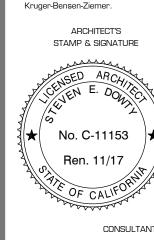
EQUIPMENT LEGEND

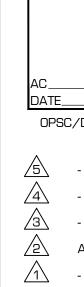
$\langle 1 \rangle$	1400 FURNACES - 120 VOLTS, 12 AMPS, 1450 WATTS
$\langle 2 \rangle$	THERMOLYNE OVEN - 120 VOLTS, 14 AMPS, 1680 WATTS
3	HI-TECH FATIGUE TESTER - 110 VOLTS, 2 AMPS, 240 WATTS
$\langle 4 \rangle$	DISK SAW - 115 VOLTS 5.9 AMPS (6.8 SFA)
5	EXTEC DOU 8 POLISHER/SANDER - 110 VOLT, 450 WATTS
6	COLE-PARMER BATH (THE BLUE BATH) - 120 VOLTS, 14 AMPS
$\langle 7 \rangle$	CHARPY TESTER - NON-ELECTRIC
8	ROCKWELL HARDNESS TESTER - NON-ELECTRIC
(9)	INSTRON TABLETOP TESTER
$\langle 10 \rangle$	OLYMPUS MICROSCOPE - 100-120 VOLT, 0.85 AMPS
$\langle 11 \rangle$	OLDER MICROSCOPE - 6 VOLTS DC, 30 WATTS
(12)	TABLETOP TENSILE TESTER - NON-ELECTRIC
(13)	TQ TORSION TESTER METER - 120 VOLT, 200 MA
(14)	TQ THIN-WALLED CYLINDER EXPERIMENT - 120 VOLT, .82 AMPS
(15)	3D PRINTER - 100-240 VOLTS, 12-7 AMPS (USE 120 VOLT OUTLET)
(16)	3D PRINTER BATH - 100-120 VOLTS, 12 AMPS
(17)	SCALES - 12 VOLTS DC, 1 AMP
(18)	48" FUME HOOD (DUCTLESS)
(19)	5 DESKTOP COMPUTERS

EQUIPMENT LEGEND NOTES

1. EQUIPMENT INDICATED IS NIC, EXCEPT (18) FUME HOOD 2. ALL EQUIPMENT IS BENCH MOUNTED UON 3. VFY EXACT LOCATION OF EQUIPMENT







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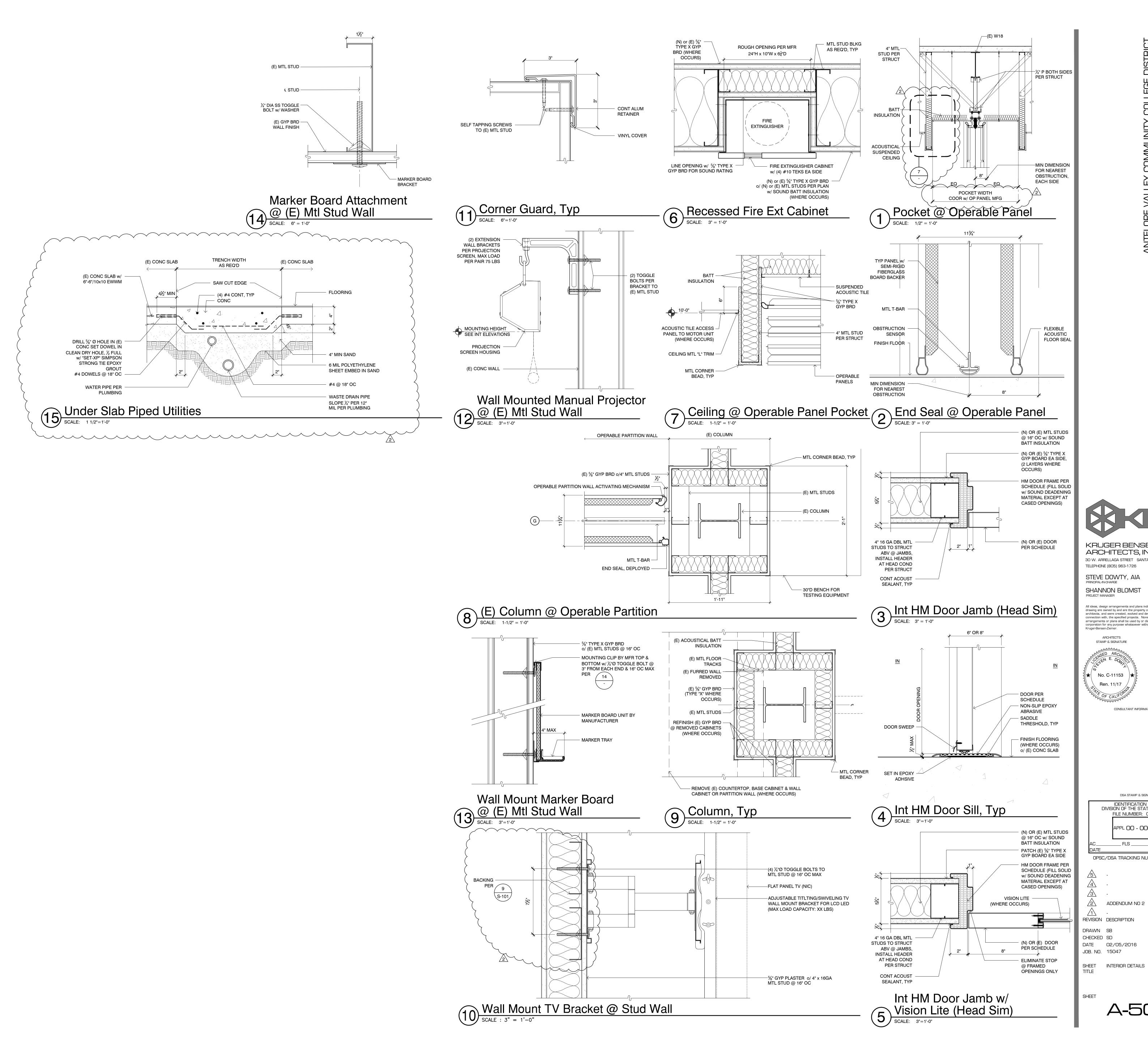
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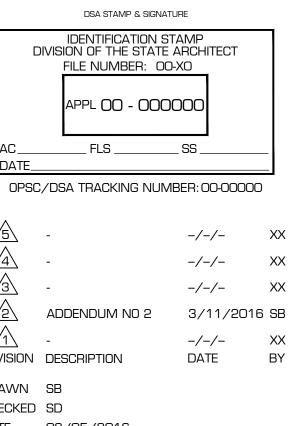
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	ROOM FINISH SCHEDULE																											
			FLOC	LOOR BASE WAI			FLOOR BASE WAINSCOT WALLS						WAINSCOT WALLS							WAINSCOT WALLS CEIL			CEILING			REMARKS		
													NORTH			EA	ST		SOU	ТН		WE	ST					
		FLOOR	DR MATERIAL	н	ERIAL	H	н	MATERIAL	I.	DR	Ħ	ERIAL	H K		MATERIAL	I.	н	MATERIAL	H	н	ERIAL	- - - -	OR	MATERIAI		DR	H	
ROOM NO.	ROOM NAME	SUB	FLOOR	COLOR	MATERIAL	FINISH	COLOR	MATE	FINISH	COLOR	HEIGHT	MATERIAL	FINISH		MATE	FINISH	COLOR	MATE	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATE	FINISH	COLOR	HEIGHT	
115	CLASSROOM	F1	F5 FN1	C1	B1	FN1	C2	-	-	-	-	W1	FN4 P1		W1	FN4	P1	W1	FN4	P1	W3 W1	FN1 FN4	C3 P1	CL	4 FN1	-	10'-0"	-
115A	CLASSROOM	F1	F5 FN1	C1	B1	FN1	C2	-	-	-	-	W1	FN4 P1			FN1 FN4		W1	FN4	P1	W1	FN4	P1	CL	4 FN1	-	10'-0"	-
115B	SCIENCE OLYMPIAD STORAGE	F1	F5 FN1	C1	B1	FN1	C2	-	-	-	-	W1	FN3 P1		W1	FN3	P1	W1	FN3	P1	W1	FN3	P1	CL	4 FN1	-	10'-0"	-
115C	UNDERGRAD RESEARCH TESTING & CONST	F1	F5 FN1	C1	B1	FN1	C2	-	-	-	-	W1	FN4 P1		W1	FN4	P1	W1	FN4	P1	W1	FN4	P1	CL	4 FN1	-	10'-0"	-
116	TESTING LAB	F1	F5 FN1	C1	B1	FN1	C2	-	-	-	-	W1	FN4 P1		W1	FN4	P1	W1	FN4	P1	W1	FN4	P1	CL	4 FN1	-	10'-0"	-
117	STORAGE	F1	F5 FN1	C1	B1	FN1	C2	-	-	-	-	W1	FN3 P1		W1	FN3	P1	W1	FN3	P1	W1	FN3	P1	CL	4 FN1	-	10'-0"	-

_N	1 A1	FERIALS LEGEND	MISC COLOR LEGE
n g	F1	(E) CONCRETE	
 _	F2	CONCRETE	C1 RESILIENT TILE FLOORING, SHAW CONTRACT
0 0	F3	NOT USED	C2 ROPPE 4" "PINNACLE" RUBBER BASE w/COVE
or, f	F4	NOT USED	C3 FABRIC WALLCOVERING, CARNEGIE "XOREL
0 0	F5	RESILIENT TILE FLOORING o/ ROLLED MOISTURE BARRIER	
u b f			
S			
			PAINT COLOR LEG
Ð	B1	RESILIENT BASE	
Bas	B2	NOT USED	P1 DUNN EDWARDS, PAINT COLOR: T.B.
			P2 DUNN EDWARDS, PAINT COLOR: T.B.
S	W1	(E) GYP BOARD TO REMAIN, PATCH AS REQ'D	DUNN EDWARDS, PAINT COLOR: T.B.
۷a۱	W2	(N) ⁵ / ₈ " TYPE X GYP BRD	P4 DUNN EDWARDS, PAINT COLOR: T.B.I
≥	W3	OPERABLE PARTITION	P3 DUNN EDWARDS, PAINT COLOR: T.B.
S	CL1	NOT USED	
i n g	CL2	NOT USED	
e :-	CL3	NOT USED	GENERAL NOTES
O	CL4	SUSPENDED ACOUSTIC PANEL CEILING 2' x 2' PANELS, (E) OR (N) IN PATCHED AREA	
			1. DIRECTIONAL LOCATIONS INDICATED ON
			ACCORDING TO TRUE NORTH AS SHOWN
Ч	FN1	FACTORY FINISH	2. ALL WALLS TO BE PAINTED P1 U.N.C 3. ALL INTERIOR DOOR FRAMES TO BE PAIN
Finish	FN2	NOT USED	3. ALL INTERIOR DOOR FRAMES TO BE PAIN 4. ALL INTERIOR DOORS TO BE PAINTED, FI
	FN3	PAINT TYPE P25B SEMI GLOSS, GLOSS LEVEL 40-60% ON 60° METER	5. ALL EXTERIOR DOOR FRAMES TO BE PAIN
	FN4	PAINT TYPE P25C EGGSHELL, GLOSS LEVEL 10-15% ON 60° METER	6. ALL EXTERIOR DOORS TO BE PAINTED, FI
	FN4	PAINT TYPE P7B SEMI-GLOSS, GLOSS LEVEL 40-60% ON A 60 ° METER	

END

CT SURFACE AND STRAND SERIES, STYLE: 0515V SURFACE, COLORS: T.B.D. VE, COLOR T.B.D.

EL", STYLE: 6427 METEOR, COLOR: 766

GEND

B.D. (WALLS & CEILINGS)

B.D. (INTERIOR DOOR FRAMES)

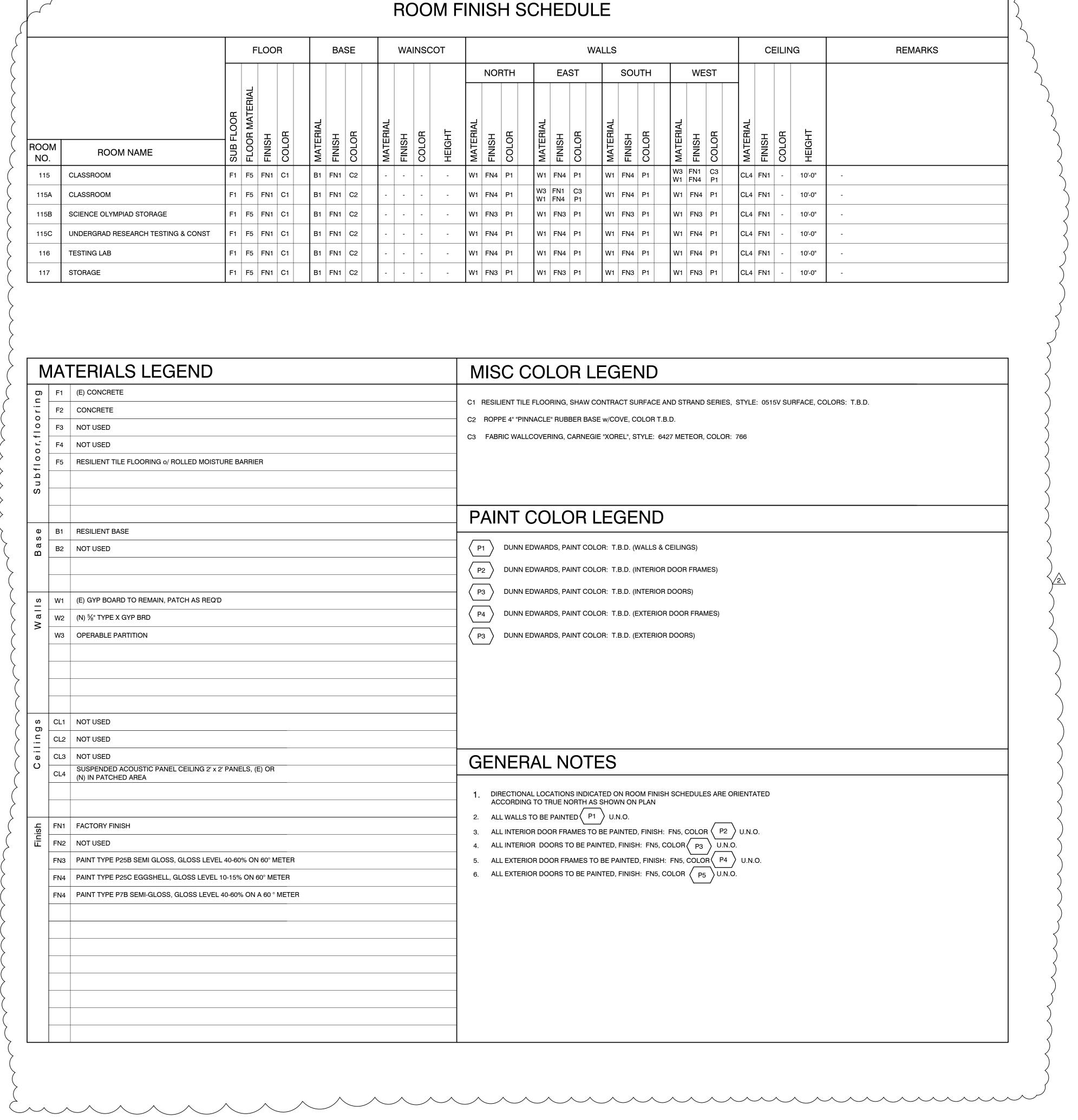
B.D. (INTERIOR DOORS)

B.D. (EXTERIOR DOOR FRAMES)

B.D. (EXTERIOR DOORS)

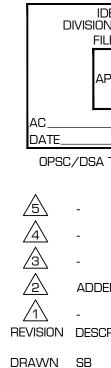
N ROOM FINISH SCHEDULES ARE ORIENTATED N ON PLAN

.0. NTED, FINISH: FN5, COLOR $\langle P2 \rangle$ U.N.O. FINISH: FN5, COLOR $\langle P3 \rangle$ U.N.O. INTED, FINISH: FN5, COLOR P4 U.N.O. FINISH: FN5, COLOR P5 U.N.O.









DRAWN SB CHECKED SD
 DATE
 02/05/2016

 JOB. NO.
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SHEET

ЩС ب_ ≺ ALA ĭ≥ ATELOPE VALLEY COM Ш Q -NA \prod



KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA 30 W. ARRELLAGA STREET SANTA BARBARA CA 93101 TELEPHONE (805) 963-1726 FAX (805) 963-2951 STEVE DOWTY, AIA

PRINCIPAL-IN-CHARGE SHANNON BLOMST PROJECT MANAGER

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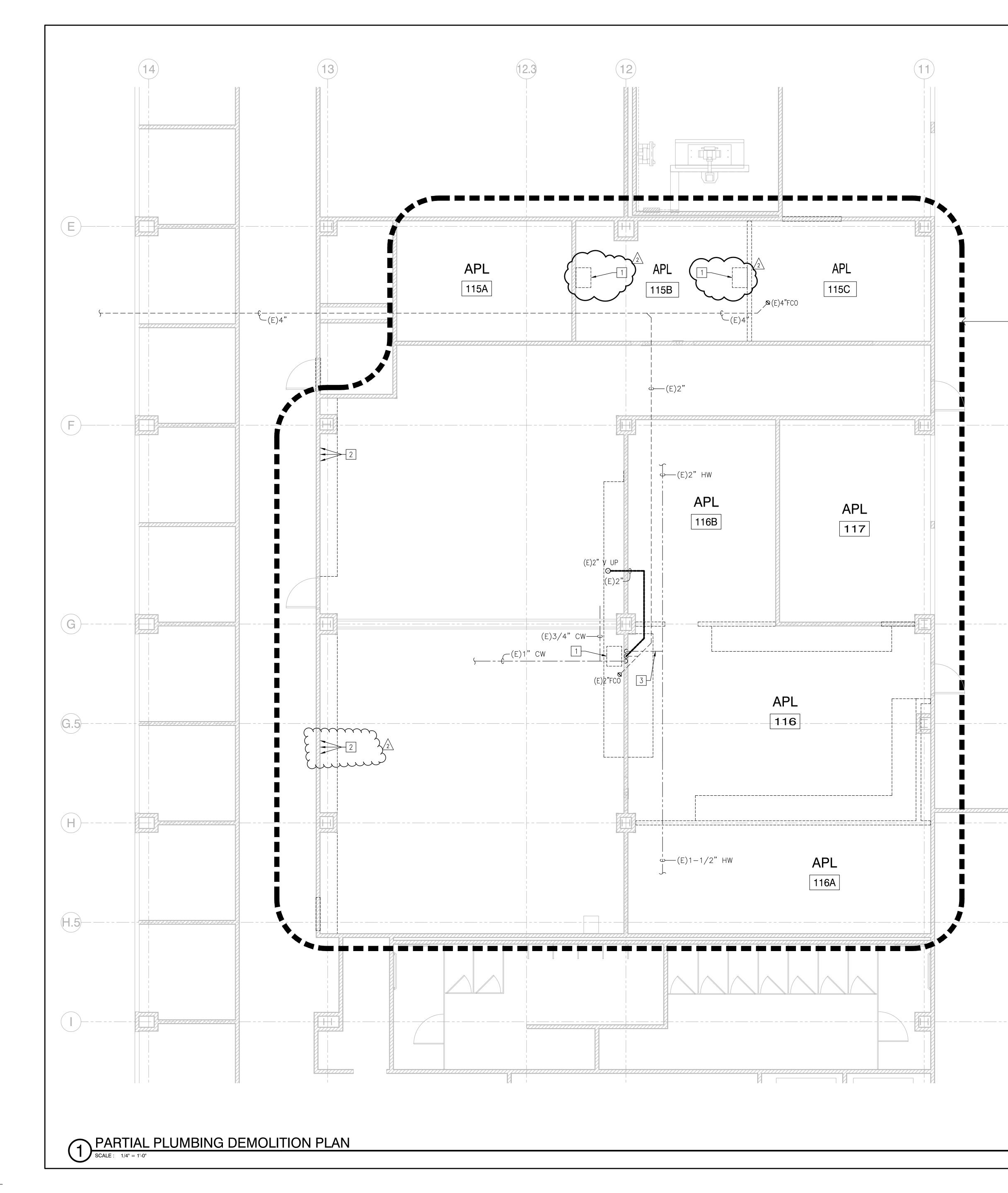
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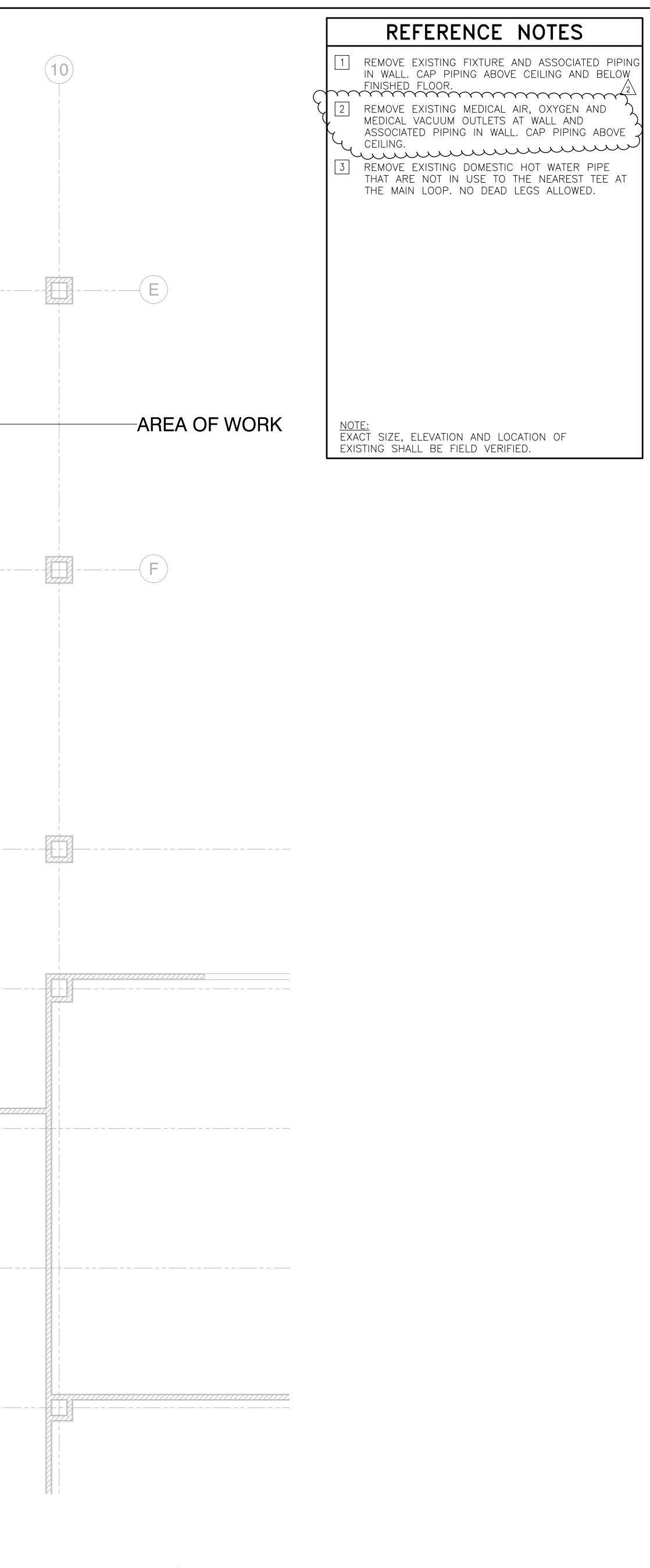
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A -REVISION DESCRIPTION -/-/- XX DATE BY

SHEET ROOM FINISH SCHEDULE TITLE





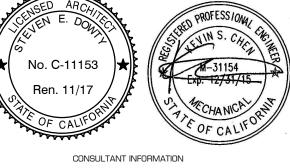


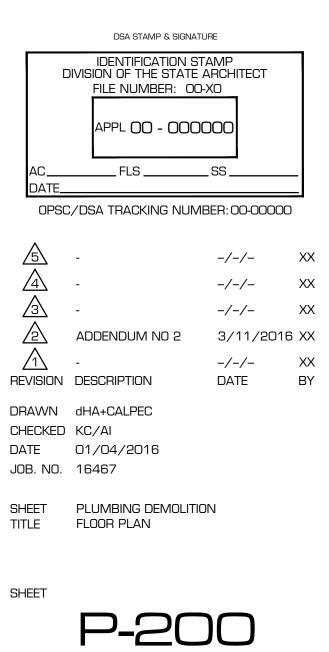
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	DEMOLITION & ALTERATION NOTES
GI	
ŧ	 CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS. ALL WORK SHALL BE PERFORMED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED OR AS REQUIRED TO PERFORM THE NEW WORK.
4	. REMOVE ALL LIGHT FIXTURES, SWITCHES, SPEAKERS, TELEPHONE OUTLETS, RECEPTACLES, MISCELLANEOUS CONDUIT, WIRE, ETC. THAT INTERFERES WITH NEW CONSTRUCTION. EXTEND ANY INTERRUPTED CIRCUITS. PROVIDE BLANK COVER PLATES AS REQUIRED IN FINISHED AREAS, COVER PLATES SHALL MATCH THE WALL SURFACE.
⊗ ¢¢ €	. INFORMATION GIVEN ON THE DRAWINGS ABOUT EXISTING INSTALLATIONS HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE BUT CANNOT BE GUARANTEED ACCURATE IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY NEW WORK THAT MAY BE AFFECTED. INCLUDE AS A PART OF THE CONTRACT ALL WORK REQUIRED TO PRODUCE THE INDICATED RESULT.
ا ا GFI € U	 EXCEPT AS MAY BE SPECIFICALLY INDICATED OTHERWISE, ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK AND NOT INDICATED TO BE REUSED SHALL BE TREATED AS FOLLOWS: A. ALL CONDUITS, CONDUCTORS, OUTLET BOXES AND FITTINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. B. ALL OTHER REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER AND DISPOSED OF AS DIRECTED BY THE OWNER.
Ø	. CLEAN ALL REMOVED ITEMS THAT ARE TO BE REUSED, CONDUITS THAT ARE TO BE REUSED SHALL BE CLEANED BEFORE INSTALLING ANY NEW CONDUCTORS. WHERE A CHOICE IS POSSIBLE, SELECT THE BEST OF THE REMOVED ITEMS FOR REUSE.
↔ _{AC-1} ⊕	. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL EXISTING WIRING, CONDUITS, JUNCTION BOXES AND OTHER ELECTRICAL DEVICES IN AREAS WHERE NEW WORK OCCURS, SHALL BE REMOVED EXCEPT WHEN SUCH DEVICES ARE REQUIRED TO MAINTAIN SERVICES TO OTHER AREAS. IN SUCH CASES, CONTRACTOR SHALL RELOCATE THESE DEVICES WHERE REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR MAY ABANDON IN PLACE ANY OF THE EXISTING ITEMS WHEN SUCH ITEMS ARE CONCEALED AND DO NOT INTERFERE WITH THE NEW WORK OF ALL TRADES.
0 0 0 0	. NUMBER OF CONDUCTORS SHOWN ON EXISTING CONDUITS REPRESENT THOSE REQUIRED TO PERFORM THE WORK. WHEN NUMBER OF EXISTING IS INADEQUATE, CONTRACTOR SHALL PROVIDE ADDITIONAL WIRES AND ALL NECESSARY WORK AND ACCESSORIES REQUIRED TO CONFORM TO THE NUMBER OF CONDUCTORS SHOWN ON THE DRAWINGS. ALL EXTRA EXISTING WIRES SHALL BE TAPED, COILED AND TAGGED AS "NOT-USED" AT BOTH ENDS IN JUNCTION BOXES. CONTRACTOR SHALL EXAMINE AND REPLACE ALL EXISTING WIRES IN BAD CONDITION WITH EQUIVALENT NEW ONES.
\bigcirc s_M^2	. ALL EXISTING CEILING MOUNTED PAGING SPEAKER (SHOWN SQUARE WITH "SP" SYMBOL ON THE PLAN) ON DEMOLISHED AREA SHALL BE RELOCATED TO THE NEW CEILING, MAINTAIN THE EXISTING CONNECTION (EXTEND WIRING IF REQUIRED) FOR PROPER FUNCTION, FIELD COORDINATE EXACT LOCATION ON SITE.
"1"⊠ 30A	0. EXISTING FIRE ALARM DEVICE IN THE DEMOLISHED AREA SHALL BE PROTECTED AND RELOCATED TO THE NEW FINISHED WALL OR CEILING, COORDINATE WITH BUILDING FIRE ALARM CONTRACTOR FOR PREVENTING NUISANCE OR FALSE ALARM DURING THE CONSTRUCTION.
	DEMOLITION AND REMODEL SYMBOLS
60A 50A	THE FOLLOWING LETTER DESIGNATIONS SHOWN ON DEMOLITION/ REMODEL PLANS ADJACENT TO LIGHT FIXTURES, RECEPTACLES, TELEPHONE AND DATA OUTLETS, EQUIPMENT, ETC. DENOTE:
) WHEN SHOWN ADJACENT TO LIGHTING FIXTURE, OUTLETS, PANELS, IN CONDUIT RUNS, ETC., DENOTES EXISTING TO REMAIN.
) WHEN SHOWN ADJACENT TO ELECTRICAL EQUIPMENT DENOTES DISCONNECT AND REMOVE EQUIPMENT WITH ASSOCIATED CONDUIT AND WIRING U.O.N.
	R) WHEN SHOWN ADJACENT TO LIGHTING FIXTURE, OUTLETS, PANELS, IN CONDUIT RUNS, ETC., DENOTES EXISTING TO BE RELOCATED.
 	E) WHEN SHOWN ADJACENT TO LIGHTING FIXTURE, OUTLETS, PANELS, IN CONDUIT RUNS, ETC., DENOTES RELOCATED EXISTING AT NEW LOCATION.
 o	

ABBREVIATIONS

A	AMPERES.	GC	GENERAL CONTRACTOR	SC	SEPARATE CIRCUIT
A/C	AIR CONDITIONING.	GFI	GROUND FAULT	SHT	SHEET.
AFF	ABOVE FINISHED FLOOR.		INTERRUPTER.	SPST	SINGLE POLE,
AFG	ABOVE FINISHED GRADE.	GND	GROUND.	CUDE	SINGLE THROW.
AIC	AMPERES INTERRUPTING	HOA	HAND-OFF-AUTOMATIC.	SURF SW	SURFACE. SWITCH.
	CAPACITY	HP	HORSEPOWER.	SWGR	SWITCHGEAR
AL	ALUMINUM		Horiser ower:	SWOR	SWITCHGEAR
ARCH ATS	ARCHITECTURAL AUTOMATIC TRANSFER SWITCH	lsc	SHORT CIRCUIT CURRENT	тс	TIME CLOCK.
AIS	AUTOMATIC TRANSFER SWITCH	IC	INTERCOM.	TERM	TERMINAL.
BKBD	BACKBOARD.			TEL	TELEPHONE
DRDD	DACINDOAND.	J	JUNCTION.	TV	TELEVISION.
С	CONDUIT WITH WIRES.			TYP	TYPICAL.
CATV	CABLE TELEVISION	LCL	LONG CONTINUOUS LOAD.		
C/B	CIRCUIT BREAKER.	LTG	LIGHTING.	UG UGPS	UNDERGROUND. UNDERGROUND
CKT	CIRCUIT.			0053	PULL SECTION
CLG CO	CEILING.	MAX	MAXIMUM.	UON	UNLESS OTHERWISE NOTED.
CU	CONDUIT ONLY WITH PULL WIRE.	MIN	MINIMUM.		
CU	COPPER	MTG	MOUNTING.	V	VOLTS.
		NF	NON-FUSED.	W/ /	
DE	DUAL ELEMENT FUSES.	NIC	NOT IN CONTRACT.	W/ WCR	WITH. WITHSTAND AND
DISC	DISCONNECT.	NL	NIGHT LIGHT.	WCK	CLOSING RATING
DIST DWG	DISTRIBUTION. DRAWING.	NTS	NOT TO SCALE.	WP	WEATHERPROOF.
DWG	DRAWING.	D			
EA	EACH.	P PA	POLE. PUBLIC ADDRESS.	XFMR	TRANSFORMER
EG	EQUIPMENT/GREEN GROUND	PB	PULL BOX.	. /0	
EC	ELECTRICAL CONTRACTOR	PC	PHOTO CELL	4/S	JUNCTION BOX 4" SQUARE. JUNCTION BOX 4–11/16".
ELEC	ELECTRICAL.	PH	PHASE	5/S	JUNCTION BOX 4-11/18.
EM	EMERGENCY	PNL	PANEL.		
EMT	ELECTRICAL METALLIC	PWR	POWER.		
EQUIP	EQUIPMENT.	DEAEDT			
EXIST	EXISTING.	RECEPT REQ'D	RECEPTACLE REQUIRED.		
F	FUSE.	RM	ROOM		
, FA	FIRE ALARM				
FIXT	FIXTURE.				
FLUOR	FLUORESCENT.				

SYMBOL LIST

GENER	<u>NL:</u>	STINDOL LIST		10.
æ	OCCUPANCY SENSOR CONTROLLED/SWITCHED SPLIT DUPLEX CONVENIENCE RECEPTACLE NEMA 5–20R	<u>CLG.</u>	LIGHTIN WA	LL
~	+15" AFF FOR WALL MOUNTED) (U.O.N).	O 6a	ю Б ли	LIGHTING FIXTURE, "6" DENOTES CIRCUIT NUMBER, "a" DENOTES CO
.	 (1) NEMA 5–20R DUPLEX (DECORA STYLE) CONSTANT ON AND (1) OCCUPANCY SENSOR CONTROLLED/SWITCHED SPLIT DOUBLE DUPLEX CONVENIENCE RECEPTACLE NEMA 5–20R. (+15" AFF FOR WALL MOUNTED) (U.O.N). 	<u>∟o</u>		 FLUORESCENT LIGHTING FIXTORE. FLUORESCENT STRIP LIGHTING FIXTURE. SINGLE FACE EXIT LIGHT WITH DIRECTIONAL ARROWS IF INDICATED.
Ф ⊕	CONVENIENCE WALL ELECTRICAL OUTLET NEMA 5-20R, DECORA STYLE. (+15" AFF FOR WALL MOUNTED) (U.O.N).	î		DOUBLE FACE EXIT LIGHT FIXTURE WITH DIRECTIONAL ARROWS IF INI
RR	RECEPTACLE RATED SWITCH/POWER PACK, LOCATED IN CEILING SPACE. FOR CONTROLLED RECEPTACLE CIRCUIT.			MOUNTED. FIXTURE TYPE "A" , INPUT POWER OF 100 VOLT-AMPERE EACH, INC LOSS IF ANY - TYPICAL IN ROOM OR AREA U.O.N.
	DOUBLE DUPLEX CONVENIENCE OUTLET +18" A.F.F., U.O.N GFI DUPLEX RECEPTACLE 20AMP, 120 VOLT, 42"A.F.F. (IF MOUNTED ADJACENT TO SINK ABOVE COUNTER), U.O.N.		SUSPENDE	ED
U U ⊕	DUPLEX NEMA 5–15R WITH (2) 3A USB POWER RECEPTACLE.	Ø	\odot	DOWN LIGHT FIXTURE.
Ø	SPECIAL RECEPTACLE. NEMA CONFIGURATION AS NOTED.		•	DOWN LIGHT EQUIPPED WITH EMERGENCY BATTERY PACK, THE BATTE BE CONNECTED TO UNSWITCHED CIRCUIT.
୍ୟ _{AC-1} ଫା	SINGLE RECEPTACLE OUTLET, 20A. 120VOLT. +18" A.F.F., U.O.N. THERMOSTAT OUTLET AT +4'-0" WITH SINGLE GANG RING. (SUBSCRIPT INDICA	TES O		2'x2' FIXTURE RECESSED IN CEILING
AC-1 C	A/C UNIT CONTROLLED). JUNCTION BOX.			2'x2' FIXTURE RECESSED IN CEILING EQUIPPED WITH EMERGENCY E THE BATTERY PACK SHALL BE CONNECTED TO UNSWITCHED CIRCUIT.
Q	JUNCTION BOX WALL MOUNTED.	0		2'x4' FIXTURE RECESSED IN CEILING
o ⊕ ⊘	JUNCTION BOX MOUNTED ON CONDUIT STUB +8" A.F.F., U.O.N BY-PASS TIMER 0-6 HOUR - MARKTIME #9007 AT +4'-0" (MOUNT ADJACENT THERMOSTAT). MOTOR CONNECTION.	то	-3	2'x4' FIXTURE RECESSED IN CEILING EQUIPPED WITH EMERGENCY E THE BATTERY PACK SHALL BE CONNECTED TO UNSWITCHED CIRCUIT. SINGLE POLE TOGGLE SWITCH, +42" A.F.F., U.O.N SUBSCRIPTS INDIC
S_{M}^{2}	MANUAL MOTOR STARTER WITH, 277V-2POLES SIMILAR TO SQUARE D, CLASS 2 TYPE FG2P.	510,	S _a	FOLLOWING: a - OUTLETS CONTROLLED.
"1"⊠ 30A	MAGNETIC MOTOR STARTER. NEMA SIZE AS INDICATED. COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH, SIZE AS			2 – TWO POLE. 3 – THREE WAY. 4 – FOUR WAY.
30A 🗠	INDICATED.			K – KEYED. P – PILOT LIGHT. M – MANUAL MOTOR STARTER.
ᆸ 50A 다	DISCONNECT SWITCH, 30 AMP, 3 POLE, NON-FUSED U.O.N DISCONNECT SWITCH, 60 AMP, 3 POLE WITH 50 AMP FUSES.			D – DIMMER. R – REMOTE CONTROL, MOMENTARY CONTACT. F – FLY FAN DOOR SWITCH.
	TERMINAL CABINET AS NOTED.		ab	WALL MOUNTED OCCUPANCY SENSOR SWITCH, REFER TO "GREENO BELOW ON THIS DRAWING. SUBSCRIPTS "ab" INDICATE DUAL LEVEL O
	SURFACE MOUNTED LIGHTING AND RECEPTACLE PANELBOARD.			CONTROLLED.
	SWITCHBOARD OR POWER PANELBOARD.	abc		CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL, REFI "GREENGATE" NOTES BELOW ON THIS DRAWING. SUBSCRIPTS "abc" I LIGHTING ZONE CONTROLLED.
•	PUSH-BUTTON, +48" A.F.F., U.O.N		RC	CLASSROOM LIGHTING ROOM CONTROLLER WITH 3-RELAYS, 3-DIMMER 1-EMERGENCY RELAY, REFER TO SHEET E-003 AND ADDITIONAL SYM
	CONNECTION TO EQUIPMENT. TRANSFORMER.			TYPICAL LIGHTING CONTROL REQUIREMENTS ON SHEET E-306.
	PANEL, SWITCHBOARD, TRANSFORMER OR TERMINAL CABINET DESIGNATION.			AL: RECESSED FLOOR BOX (WIREMOLD OMNIBOX 880S2) WITH DATA
2	REFERENCE NOTE.			DUPLEX RECEPTACLE. PROVIDE (1) 3/4"C. FOR DATA AND VOICE ANI CONDUIT FOR POWER TO ACCESSIBLE CEILING SPACE.
×	ELECTRICAL DEVICE AS NOTED (I.E. RELAY, TIME CLOCK). FLUSH FLOOR COUPLING.		∇^{TV}	WALL MOUNT TV OUTLET AT +80"AFF AS INDICATED ON THE PLAN, F SLEEVE FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE. CONTR PROVIDE DUPLEX POWER OUTLET ADJACENT TO THE TV OUTLET ACCO
	CONDUIT CONCEALED IN CEILING OR WALL.			PLUG-IN DOOR CHIME RECEIVER WITH STROBE LIGHT. NUTONE
	CONDUIT CONCEALED BELOW FLOOR SLAB OR UNDERGROUND. EXPOSED CONDUIT.		_	DOORBELL MODEL: LA-204WH.
o	CONDUIT TURNING UP. • CONDUIT TURNING DOWN.	"~		PUSHBUTTON FOR DOOR CHIME RECEIVER.
	3/4"C.−2#12&1#12EG	OC	CUPANCY	SENSOR FOR LIGHTING CONTROL SYSTEM SHALL BE BY "GREENGATE" NTROLS) WITH THE FOLLOWING PRODUCT NUMBERS:
#6 Ⅲ 2LA−1&3&5¬	CONDUCTORS OTHER THAN #12 AWG AS INDICATED (3#6 AWG & 1#6 EG) SIZE CONDUIT PER APPLICABLE CODES.	•		MOUNTED SENSOR;
2LA-2,4,6	HOMERUN TO PANEL "2LA" CIRCUITS 1,3,5, 3#12 & 1#12EG (3–POLE CIRCUIT BREAKER).	\sim	DUAL	TECHNOLOGY, AUTO OR MANUAL ON FOR PRIVATE/SMALL OFFICE, CO M AND STORAGE:
2LA-1,3,5,7	" Y HOMERUN TO PANEL "2LA" CIRCUITS 2,4,6 WITH COMMON NEUTRAL, 4#12 & 1#12EG (3 SINGLE POLE BREAKERS)		•	DUAL LEVEL, GREENGATE #ONW-D-1001-DMV VERAGE >100-300 SQUARE FEET)
→ 	" HOMERUN TO PANEL "2LA" CIRCUITS 1,3,5,7 WITH COMMON NEUTRALS, 4#10 & 2#12EG (4 SINGLE POLE BREAKERS)	·	(SINGLE LEVEL, GREENGATE #ONW–D–1001–MV (COVERAGE >100–SQUARE FEET) NG MOUNTED SENSOR:
	CONDUIT STUB WITH CAP. (WITH POLY-PROPYLENE PULL WIRE).	v		DNIC SENSOR TECHNOLOGY, TO BE INSTALLED WITH SWITCH PACK, GR MV AND MANUAL WALL MOUNTED SWITCH:
	CONDUIT SEAL.			SMALL OFFICE, <1270 S.F., GREENGATE #OMC—U—1001 DNE WAY COVERAGE.
	WIREMOLD 5400 WITH DIVIDER FOR POWER AND DATA AT EACH RECEPTACLE INDICATED, PROVIDE A #5407 DEVICE BRACKET. PROVIDE A NEMA 5–20R DUPL RECEPTACLE AND A WIREMOLD 5407D PLATE FOR POWER; A #5407RJ COVER F		Т	DPEN OFFICE OR RESTROOM <2500 S.F., GREENGATE #OMC-U-2000 WO WAY COVERAGE.
$\overline{Q} \oplus \overline{Q} \oplus$	DATA. SPECIAL NON-STANDARD COLOR IS REQUIRED, TO BE SELECTED BY ARCHITECT U.O.N.		G	CORRIDORS OR NARROW HALLWAYS, 13 FT.x 100 FT. COVERAGE, REENGATE #ODC—U—0100—H, TWO WAY COVERAGE. TECHNOLOGY SENSOR, TO BE INSTALLED WITH SWITCH PACK, GREENG/
VERTIC	CAL SURFACE MOUNTED WIREMOLD 5400		#SP20	MY SIZE OPEN STUDY AREA, GREENGATE #OMC-DT-2000-R
	TO HORIZONTAL RACEWAY U.O.N.		ר כ	NG MOUNTED INDOOR PHOTOSENSOR FOR DAYLIGHT HARVESTING.
		Ð	a- A	ANY SIZE OFFICES, GREENGATE INDOOR PHOTOSENSOR #DLC-PD-IN AND CEILING SPACE MOUNTED DAYLIGHTING CONTROLLER
	SINGLE LINE DIAGRAM:	EAC	DLC CLA	PDC. PHOTOSENSOR SHALL BE MOUNTED ALONG THE WINDOW SIDE O SSROOM. R TIME DELAY SHALL BE SET AT 8 MINUTES.
150 3		CO PL/ AC	NTRACTOR ACEMENT A CESSORIES	TO COORDINATE WITH MANUFACTURER REPRESENTATIVE FOR THE BEST AND QUANTITY OF THE CEILING MOUNTED SENSORS, AND ADDITIONAL 5 FOR COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM.
70/ 100/ 3		SP	ECIFICATIO	C-IT INFRASTRUCTURE, AUDIOVISUAL AND CABLING STANDARD
	METERING AND CURRENT/POTENTIAL TRANSFORMER AS REQUIRED.	WA ► W DE 3/	LL VOICE EP BOX W 4"C SLEE\	/PHONE OUTLET AT +48", PROVIDE 4"SQUARE X 2-1/8" /ITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND /E FROM OUTLETBOX TO ACCESSIBLE CEILING SPACE. PROVIDE INATED SINGLE PORT RJ45 WITH STAINLESS STEEL FACEPLATE.
ېلى مالى	TRANSFORMER WITH SECONDARY GROUND. $-DR-6$ FEEDER NO. 6 - SEE FEEDER SCHEDULE.	DE 3/	EP BOX W 4"C SLEE\	ONLY OUTLET AT +18"AFF, PROVIDE 4"SQUARE X 2-1/8" /ITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND /E FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE WITH (2) LE DROP
⊢ "\$	 GROUND WELL WITH ROD. GROUND TO COLD WATER PIPE, U.O.N. UFER GROUND. 	► 4 DE 1"C CA	EP BOX W C SLEEVE	& DATA OUTLET AT +18"AFF, PROVIDE 4"SQUARE X 2–1/8" /ITH 4"SQUARE MUD–RING, SINGLE GANG RAISED 1/2" MIN. AND FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE WITH (4) LE DROP. "4" SUBSCRIPT INDICATE QUANTITY OF CABLE
T T	N NEUTRAL BUS.			INTED VOICE & DATA OUTLET. PROVIDE 4" SQUARE MUDRING, G RAISED 1/2" MIN. AND (4) CAT 6 CABLE TERMINATION.
ri de la companya de	G EQUIPMENT GROUND BUS.	WA H ⊘ DE	LL AUDIO/ EP BOX W	/VIDEO OUTLET AT +18"AFF, PROVIDE 4"SQUARE X 2-1/8" /ITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE
		DE DE	EP BOX -	INTED WIRELESS ACCESS POINT, PROVIDE 4" SQUARE X 2–1/8" - (2)CAT 6A UTP CABLES TERMINATED ON RJ–45 JACKS AT S BLOCKS AND ON RJ45 PATCH PANEL IN THE MDF ROOM
		rw⊃ ^C wi	TH 4"SQUA	IO/VIDEO OUTLET, PROVIDE 4"SQUARE X 2-1/8" DEEP BOX ARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND (4) 1" TED K.O. FOR CABLE ACCESS.
		AU RE FLC	DIO/VIDEO SOURCE " DOR BOX	LOOR COMBINATION DOUBLE DUPLEX POWER RECEPTACLES, AND DATA OUTLETS, PROVIDE WITH LEGRAND/WIREMOLD RFB4SS" SERIES MULRISERVICE SHALLOW STEEL RECESSED WITH FLOOR PORT ACTIVATION COVER (NICKEL FINISH). ERNAL BRACKET/ACCESSORIES AS REQUIRED

	GENERAL NOTES
	 ALL ELECTRICAL WORK SHALL BE DESIGNED PER 2014 LOS ANGELES COUNTY ELECTRICAL CODE, 2013 CALIFORNIA ELECTRICAL CODE (CEC), AND 2011 NATIONAL ELECTRICAL CODE (NEC).
MBER, "a" DENOTES CONTROLLING SWITCH.	2. MINIMUM SIZE OF CONDUIT SHALL BE 1/2", MINIMUM SIZE OF CONDUCTOR SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
	3. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN.
ARROWS IF INDICATED. WALL MOUNTED.	4. WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
ECTIONAL ARROWS IF INDICATED. CEILING	5. ALL JUNCTION BOXES AND PULL BOXES SHALL BE OF CODE GAUGE AND OF THE REQUIRED SIZE TO ACCOMMODATE NUMBER OF CONDUCTORS SHOWN.
	6. ALL PULL BOXES IN FINISHED AREAS SHALL HAVE FACTORY APPLIED PRIME COAT OF PAINT.
/OLT—AMPERE EACH, INCLUDING BALLAST U.O.N.	 ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL MECHANICAL, PLUMBING, AND ALL OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK. ALL PANELBOARDS SHALL HAVE LOCKING DOOR AND BE KEYED ALIKE UNLESS OTHERWISE NOTED.
	9. STUB OUT (2) 1" CONDUITS FROM ALL FLUSH MOUNTED PANELBOARDS INTO ACCESSIBLE CEILING SPACE AND CAP FOR FUTURE USE.
TTERY PACK, THE BATTERY PACK SHALL	10. ELECTRICAL CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, RECEPTACLES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
	11. ALL MOUNTING HEIGHTS SHOWN ARE TO CENTER LINE OF OUTLET OR DEVICE AND SHALL APPLY UNLESS INDICATED OTHERWISE.
PED WITH EMERGENCY BATTERY PACK, O UNSWITCHED CIRCUIT.	12. DRAWINGS ARE DIAGRAMMATIC AND INDICATED GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND SPACE CONDITIONS AT ALL TIMES.
	13. LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOOR, INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
PED WITH EMERGENCY BATTERY PACK, O UNSWITCHED CIRCUIT.	14. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR CLOCKS, SWITCHES, HORNS FIRE ALARM MANUAL PULL STATIONS, SPEAKERS, RECEPTACLES ETC.
.O.N SUBSCRIPTS INDICATE THE	15. WHERE ELECTRONIC MOTORS OR HEATERS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT.
	 16. EXPOSED RACEWAYS (WHEN INDICATED ON DRAWINGS) SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS. 17. FURNISH APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS.
	18. FURNISH FISH WIRE IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
FACT.	19. NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, UNLESS OTHERWISE INDICATED.
REFER TO "GREENGATE" NOTES	20. PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT.
NDICATE DUAL LEVEL OUTLETS	21. SUPPORT PANELBOARDS, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
LIGHTING CONTROL, REFER TO 3. SUBSCRIPTS "abc" INDICATES	22. OUTLET BOXES FOR FIXTURES RECESSED IN HARD LID/GYP BOARD CEILING SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURES.
H 3-RELAYS, 3-DIMMERS AND 03 AND ADDITIONAL SYMBOL FOR N SHEET E-306.	23. SEE MECHANICAL, PLUMBING DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS AND TRANSFORMERS, SWITCHES, TIME CLOCKS, VALVES, STATS, RELAYS, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.
	24. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF TYPE.
880S2) WITH DATA OUTLET AND A DR DATA AND VOICE AND (1) 3/4" 5 SPACE.	25. NO CONDUIT RUNS WILL BE ALLOWED IN CONCRETE SLAB. ALL CONDUITS WILL BE PLACED IN THE HUNG CEILING UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.
CATED ON THE PLAN, PROVIDE 1"C EILING SPACE. CONTRACTOR TO	26. LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK TO BACK.
O THE TV OUTLET ACCORDINGLY.	27. COORDINATE WITH UTILITY COMPANY FOR UTILITY SERVICE REQUIREMENTS PRIOR TO SUBMITTING BID; INCLUDE UTILITY CHARGES IF ANY.
E LIGHT. NUTONE	28. WHERE MORE THAN (1) ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE.
	29. WHERE MOUNTING HEIGHTS OR DIMENSIONS OF DEVICE LOCATIONS ARE SHOWN, CONTRACTOR SHALL CONFIRM SUCH DIMENSIONS WITH ARCHITECTURAL DRAWINGS. WHERE CONFLICT IN DIMENSIONS OCCUR BETWEEN DRAWINGS, OR WHERE NO DIMENSIONS OR MOUNTING HEIGHTS ARE INDICATED ON EITHER SET OF DRAWINGS, CONTRACTOR SHALL VERIFY THESE ITEMS WITH ARCHITECT IN FIELD PRIOR TO ROUGH-IN.
LL BE BY "GREENGATE'" ERS:	30. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROTECTED BY MATERIALS TESTED IN ACCORDANCE WITH UL1479/ASTM E-814. INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND MAINTAIN THE FIRE RATING OF WALLS AND/OR FLOORS AFFECTED. PROVIDE HILTI C5240 FIRESTOP SEALANT, CSFM LISTING NO. 4060-1200:100, OR EQUIVALENT STATE FIRE MARSHALL APPROVED AND LISTED MATERIAL.
VATE/SMALL OFFICE, CONFERENCE	31. WHERE LIGHTING FIXTURES ARE FOR LAY-IN MOUNTING IN AN EXPOSED RUNNER TYPE OF CEILING, PROVIDE EACH FIXTURE WITH CLIPS (4 REQUIRED) OR EQUIVALENT MEANS TO PREVENT THE ACCIDENTAL DISENGAGEMENT OF THE FIXTURE FROM THE CEILING. WHERE FIXTURES IN SUCH CEILINGS ARE SQUARE OR RECTANGULAR IN SHAPE, PROVIDE EACH FIXTURE WITH FOUR (4) #12 AWG GALVANIZED STEEL WIRES WITHIN 3 INCHES OF EACH OF THE CORNERS.
	32. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN, U.O.N. CONDUCTORS IN CONDUIT EXPOSED ON THE ROOF SHALL HAVE 90° INSULATION (THHN), #10 AND SMALLER SHALL BE SOLID TYPE, AND #8 AWG AND LARGER SHALL BE STRANDED.
/ITH SWITCH PACK, GREENGATE	33. TRANSFORMER SHALL BE NEMA TP-1 ENERGY EFFICIENT TYPE WITH INSULATION SUITABLE FOR 150° AVERAGE TEMPERATURE RISE. SEE SPECIFICATIONS FOR DETAILS.
J—1001	34. ALL CONDUITS SHALL BE ELECTRICAL METALLIC TUBING AND RIGID STEEL CONDUIT ONLY. PROVIDE APPROPRIATE COUPLINGS, CONNECTORS AND OTHER FITTINGS AS REQUIRED.

- 0 FT. COVERAGE, AGE.
- SWITCH PACK, GREENGATE C-DT-2000-R
- LIGHT HARVESTING.
- SENSOR DAYLIGHTING CONTROLLER CAT# ONG THE WINDOW SIDE OF

LING STANDARD FOR THE IDF-ROOM \dots

1. LIGHTING: - PROVIDE RELOCATION OF LIGHT FIXTURES.

37. BOXES SHALL BE SECURED AS PER 2010 CEC ARTICLE 314.23.

(41. REMOVE ALL UNUSED AND/OR ABANDONED CONDUIT, WIREMOLD.)

FUSE PROTECTION REQUIRED), AND SHALL BE INSTALLED AS APPROVED.

- 2. POWER & SIGNAL: – PROVIDE RECEPTACLES FOR LAB EQUIPMENTS & CLASSROOMS
- 3. FIRE ALARM:

ACCESSIBLE LOCATION.

OCCUPANCY ISSUANCE.

- NO NEW DEVICE REQUIRED. - NO REVISION TO SEQUENCE OF OPERATION, EXISTING TO REMAIN.
- (4. SIGNAL:
- voice/data/it infrastructure \langle - AUDIOVISUAL OUTLETS/CABLING.

SHEET INDEX

35. EMERGENCY CIRCUITS SHALL BE ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER SAME RACEWAY, BOXES OR CABINETS WITH OTHER WIRING EXCEPT WHERE PROVIDED IN 2010 CEC 700.9B.

36. RECESSED FIXTURE IN FIRE RATED ASSEMBLY SHALL BE APPROVED BY AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION PER 2010 CBC-SECTION 713.3. AND 713.4.

38. ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING (i.e. MAX. FUSE SIZE MEANS

SCOPE OF WORK

39. ALL EQUIPMENT SHALL BE LISTED BY AN ACCEPTED TESTING LAB AND BEAR THE LISTING STICKER IN AN

40. SUBMIT TORQUE CERTIFICATE FOR ALL ELECTRICAL EQUIPMENT/CONNECTIONS PRIOR TO CERTIFICATE OF

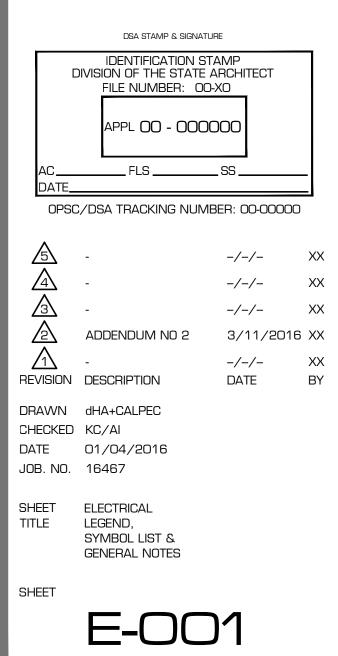
Sheet Number	Sheet Title
E-001	ELECTRICAL LEGEND, SYMBOL LIST & GENERAL NOTES
E-002	PANEL SCHEDULES
E-200	PARTIAL ELECTRICAL DEMO PLAN
E-201	PARTIAL ELECTRICAL PLAN
E-202	PARTIAL LIGHTING PLAN

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CONSULTANT INFORMATION



	PA	NEL : (E) 1A
	VO	NEL : (E) 1A LTAGE :
	BU	S AMPERE :
		IN C/B :
	25	
	СК	
	NO	DESCRIPT
	=	
	1	RMS. 118,120,122,1
	2	RMS. 112,113,114,1
	3	RMS. 118,119,121,1
	4	RMS. 112,114,115,1
	5	RMS. 119,121,123,1
	6	RMS. 112,113,114,1
	7	RMS. 116,121,125 &
	8	PC, HI-TECH TE STE
	9	RMS. 115,118,120,1
	9 10	FURNACE - APL 11
	12 10	
	11	RMS. 117,119,123,1 FURNACE - APL 11
	13	3D PRINTER - APL
	14	RM. 128
	15	3D BATH - APL 116
	16	FUME HOOD - APL
	17	ELEVATOR PIT
	18	THERMO OVEN - AF
	19	PROJECTOR - APL
	20	EQPMNTS - APL 1
	21	RECEPT APL 117
	22	PC - APL 116
	23	INSTRON TESTER -
	23	EQPMNTS - APL 1
	24	W/CKT# 23
		LCD TV - APL 116
	26	LCD IV - APL II0
6	4	WICKT#23
	28	COLE-PARMER BAT
-	29	SPARE
	30	SPARE
	31	RMS. 136,137,140 RMS. 132,133,140,1
	32 33	RMS. 132,133,140,1 RMS. 140,137,133,1
	1	
	34	RMS. 140,142
	35	RM. 137
	36	RMS. 141,140,133
	37	RM. 142
	38	SURGE PROTECTO
	39	W/ CKT #37
	40	SURGE PROTECTO
	41	W/ CKT #37
	42	
	==	= ===== ==== ====
	CO	NN LOAD = 4
		IFDR = 116 AMF
	LCI	_(LTG+HTG) =
	==	= ===== ==== ====

PAN	VEL : (E) 14		PHASE :		3		WIR		4	MOUNTIN		FLUSH	
VOL	TAGE :	208 / 120	LOCATIO	0.00		COF	RRID	OR 1	11	DISTANC	E :		FT
BUS	SAMPERE :	225 AMP	FED FRO	M :		DS-	1-1			POLES		42	1
	NC/B:	225 AMP	MAIN TYP		==	==	AUT			SPARE (CAP : =======	-	%
- 1			======	I	R	M		M			CIRCUIT		1
ск				T	E	T	Т	I	CIRCUIT		KVA		СК
Sector Contraction	DEC	CDIDTION			2001		22.4	-		٨		0	and a distance
				G ==	C	R	G ==	S	BREAKER	A ======	B =======	C	NO ==
1	RMS, 118,120				5				20 / 1	0.90			1
2	RMS. 112,113	· · · · · · · · · · · · · · · · · · ·			5			;	20 / 1	0.90			2
3	RMS. 118,119	N N N N N N N N N N N N N N N N N N N			5		èè		20 / 1	0.00	0.90		3
4		,115,117& COOR. 1	11		5		-		20 / 1		0.90		4
5	RMS. 119,121		11		4				20 / 1	· ·	0.00	0.72	5
6	RMS, 112,113				5		·		20 / 1			0.90	6
7		,125 & CORR. 111			5		-		20 / 1	0.90		0.00	7
8		TESTER - APL 116			4	-	10 - 1		207 1	0.72			8
9	RMS. 115,118	And the second			5				20 / 1	N.1.4	0.90		9
9 10	FURNACE - A				э 1				20 / 1		1.45		10
11	RMS. 117,119	el alter (receditatio			4				20 / 1		1.79	0.72	11
12	FURNACE - A	F			4				20 / 1			1.45	12
13	3D PRINTER -				1				20 / 1	0.50		1.40	12
Martin State	RM. 128	AFLIIO			7				20 / 1	1.26			
14	3D BATH - AP	1 440					(20 / 1	1.20	0.36		14
15					1		-	4	20 / 1		0.50		15
16	FUME HOOD	POID A REACT IN COMMENT						1			0.00	0.00	16
17	ELEVATOR P				2				20 / 1			0.36	17
18	THERMO OVE				1				20 / 1	0.50		1.68	18
19	PROJECTOR	PAR BODAL SALES IN THE PRESS OF			1				20 / 1	0.50			19
20	EQPMNTS - /				5				20 / 1	0.90			20
21	RECEPT AP	L 117			2				20 / 1		0.36		21
22	PC - APL 116				2				20 / 1		0.36		22
23		STER - APL 116			1				20 / 3			1.33	23
24	EQPMNTS -	APL 116			2				20 7 1			1.00	24
25	W/CKT# 23	and a sould be							/	1.33			25
26	LCD TV - APL	. 116			2				20 / 1	1.00			26
27	WICKI#23	<u>~~~~~</u>	\sim	\sim			\sim	\langle	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\sim	133	\sim	27
28	COLE-PARME				1				20 / 1		1.68		28
29			\sim	\sim	\sim		\sim	\sim	2071	particular	\sim	0.00	29
30	SPARE								20 / 1			0.00	30
31	RMS. 136,137				5				20 / 1	0.90			31
32	RMS. 132,133				8				20 / 1	1.44			32
33	RMS. 140,137				6				20 / 1		1.08		33
34	RMS. 140,142				5				20 / 1		0.90		34
35	RM. 137				5				20 / 1			0.90	35
36	RMS. 141,140	,133			8				20 / 1			1.44	36
37	RM. 142								30/3	3.00			37
38	SURGE PROT	ECTOR						1	20/3	0.10			38
39	W/ CKT #37								/		3.00		39
40	SURGE PROT	ECTOR						1	/	1	0.10		40
41	W/ CKT #37							11571	/	1	CONTRACT CONTRACT	3.00	41
42	SURGE PROT	ECTOR						1	/			0.10	42
		41 77 KVA	1							101101	·	12 60	
	IN LOAD =		1						(VA) =	14.35			
	analyse the second second	6 AMP MIN C/E		and and and							SPARE =	1.567.748	
I CL	(LTG+HTG) =	0.00 KVA	25% LCL	=	0.00		KV	4	CONN LOA	AD + 25% l	LCL =	41.77	KVA

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PAN	NEL :	(E) 1LA	PHASE :		3		WIR	Ε :	4	MOUNTIN	IG :	FLUSH	
VOL	TAGE :	480 / 277	LOCATIO	N :		CO	RRID	OR	144	DISTANC	E :		FT
BUS	SAMPERE :	225 AMP	FED FRC	M :		MS	-5			POLES		30	
MA	MAIN C/B : 225 AMP MAIN TY					AUT	CO C	В		SPARE (CAP :	%	
=			======	==	==	==	==	==		======	======	======	===
°.				L	R	М	H	M			CIRCUIT		
CK				Т	Е	Т	Т	I	CIRCUIT		KVA		CK
NO	DE	SCRIPTION		G	С	R	G	S	BREAKER	A	В	С	NO
152				==	==	==	==	===			=======	======	==
1		15B,115C,141,142,1				-			20 / 1	2.48			1
2	CALCORDING TO LODGE LABOR DURING CAMPON	,10&12-25, 177,189-1	192	29					20 / 1	3.08	0.04		2
3	RMS. 140, 17			30			<u> </u>		20 / 1		3.24		3
4	RMS. 221-22 RMS. 116, 11	3, 193,194, CORRID	JR	25 31		()			20 / 1 20 / 1		2.70	3.24	4
6	RMS. 213,21			24					20 / 1		-	2.59	6
7		9,160,162, 197-201		25		·			20 / 1	2.63		2.00	7
8		ERIMETER WALKW	ΔV	11		;	-	-	20 / 1	0.79			8
9	RMS. 161.20	present administration contains contract and the second second second second	/ \1	24					20 / 1	0.10	2.59		9
10			4	14		· · · ·			20 / 1		0.74		10
11	RMS 164,167		1	26		()			20 / 1		0.1 1	2.59	11
12	Contracted at sec. In R. Contract	150 & LOBBY 218 &	216.217	37					20 / 1	•		2.71	12
13	* WALKWAY L	THE FIRE PROPERTY AND A DESCRIPTION OF THE SECOND PROPERTY AND A DESCRIPTION O		21					20 / 1	2.62			13
14	* PARKING LO	T LIGHTING		3		i -)			20 / 1	2.88			14
15	* WALKWAY L	IGHTING		21					20 / 1		2.62		15
16	* PARKING LO	T LIGHTING		3					20 / 1		2.88		16
17	* WALKWAY L	IGHTING		22				-	20 / 1			2.75	17
18	** PARKING LO	T LIGHTING		3					20 / 1			2.88	18
19	** PARKING LO	T LIGHTING		3					20 / 1	2.88]		19
20	TIME SWITCH	H & RELAYS						1	20 / 1	0.05			20
21	SPARE					a 1		_	20 / 1		0.00		21
22	SPARE			0					20 / 1		0.00	0.00	22
23	SPARE						<u> </u>		20 / 1			0.00	23
24	SPARE			6		e <u> </u>		-	20 / 1	0.00		0.00	24
25	SPARE			2				-	20 / 1	0.00	9		25
26	SPARE								20 / 1 20 / 1	0.00	0.00		26
27 28	SPARE SPARE					e		-	20 / 1		0.00		27 28
29	SPARE					e	-		20 / 1		0.00	0.00	29
30	SPARE						-	-	20 / 1	-		0.00	30
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	NN LOAD =	48.94 KVA		TO	TAL	BY F			<va) =<="" td=""><td>17.41</td><td></td><td>16.76</td><td></td></va)>	17.41		16.76	
and the second s	Story and the state of the state of the	74 AMP MIN C/E	} =				-			AMP	A CARDAS AS		
	(LTG+HTG) =		25% LCL					-	CONN LOA			61.16	
		= ===== = ====							and the second s				The second s
*	CIRCUIT CON	TRLLED BY RELAY	"A"										

* CIRCUIT CONTRLLED BY RELAY "A" ** CIRCUIT CONTROLLED BY RELAY "B"

== :				==	==	==	==	==	=== = ===		=======		
PAN	IEL : (E) 1C		PHASE :		3		WIR	E:	4	MOUNTIN	IG :	FLUSH	
VOLTAGE : 208 / 120 LOCATIO				: 1ST FLR. ELEC RM. 10			EC RM. 109						
BUS AMPERE : 225 AMP FED FRO				M	M : DS-1-3					POLES : 42			
MAI	NC/B:	225 AMP	MAIN TY				AUT	OC.	/B	SPARE (CAP :	0	%
			: <mark></mark>	==	==	==	==	==)==
				L	R	M	H	M			CIRCUIT		ľ
CK				Т	Е	Т	T	1	CIRCUIT		KVA		СК
NO	DESCRIF	TION		G	C	R	G	S	BREAKER	A	В	С	NO
= =		==== = ====		==	==	==	==	===	==== ====	=======	======	======	==
1	RMS. 105,106,109,	110,126			5		1		20 / 1	0.90			1
2	CORR. 111 COUNT							1	20/1	0.50			2
3	RMS. 104,107,110,	144			5	· ·			20 / 1		0.90		3
4	CORR. 111 COUNT	FER						1	20/1		0.50		4
5	RMS. 104,107,109,	,110,127			5				20 / 1			0.90	5
6	CORR. 111 COUNT	TER						1	20 / 1			0.50	6
7	DRINKING FOUNT	AIN						1	20 / 1	1.00			7
8	ELECTRIC DOOR	OPERATOR						1	20 / 1	1.80			8
9	DRINKING FOUNT	AIN						1	20 / 1		1.00		9
10	ELECTRIC DOOR	OPERATOR						1	20 / 1		1.80		10
11	ELECTRIC DOOR	OPERATOR						1	20 / 1			1.80	11
12	ELECTRIC DOOR	OPERATOR						1	20 / 1			1.80	12
13	RECEPT - APL 115	5A			3				20 / 1	0.54			13
14	ELECTRIC DOOR							1	20 / 1	1.80			14
15	FOLDING FIRE DO	OR						1	20 / 1 20 / 1		1.50		15
16	FOLDING FIRE DO							1	20 / 1		1.50		16 17
17	SPRINKLER CONT	ROL						1	20 / 1			0.10	
18	TEMP. CONTROL I							1	20 / 1			0.10	18
19	FIRE ALARM CON							1	20 / 1	0.50			19
20	MASTER CLOCK C		 STOLESPECTRUSCO 					1	20 / 1	0.50			20
21	FIRE ALARM CON	TROL PANEL						1	20 / 1		0.50		21
22	VAV BOXES								20 / 1		0.50		22
23	VAV BOXES								20 / 1			0.50	23
24	PODIUM - APL 11				2				20 / 1			0.54	24
25	OPERABLE PART		- APL 115		_	1			15/3	0.79			25
	RECEPT - APL 115)			2				20 / 1	0.36			26
27	W/CKT# 24		-		_	-	-	_	/		0.79		27
28	SPARE								20 / 1		0.00	0.70	28
29	W/CKT# 24						-		/			0.79	29
30	SPARE				<u> </u>				20 / 1	0.00		0.00	30
31	SPARE								20 / 1	0.00			31
32	SPARE		-		-		-		20 / 1	0.00	0.00		32
33	SPARE								20 / 1 20 / 1		0.00		33
34	SPARE						-		20 / 1		0.00	0.00	34
35	SPARE						<u> </u>				-	0.00	35
36	SPARE								20 / 1	0.00		0.00	36
37	SPARE					-	-	4	20/1	0.00			37 38
38	PANEL "D"						—	1	30/3	1.00	0.00		
39 40	SPARE PANEL "D"							- 1	20 / 1		0.00		39 40
40	SPARE						-	1	20 / 1		1.50	0.00	40
-	PANEL "D"						-	4	201			0.00	41
42	PANEL D			 	 	 	 	==	==== = ===	=======	======	UC.I	42
		29.21 KVA							(VA) =	10.19		8.53	
MIN FDR = 83 AMP MIN C/B =									TR = 7	(Reinstein) seter 1	SPARE =	0.00	KV/A
LCL(LTG+HTG) = 0.00 KVA 25% LCL				AN 0.00		KV.		CONN LOA			29.21		
		*-** ILV/L			W - W V	1.5	1 5 9 1					A	1.5.8.6.7

LCL(LTG+HTG) = 0.00 KVA 25% LCL = 0.00 KVA CONN LOAD + 25% LCL = 29.21 KVA

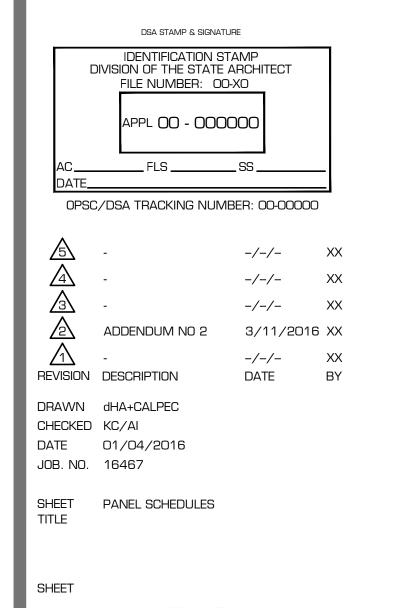
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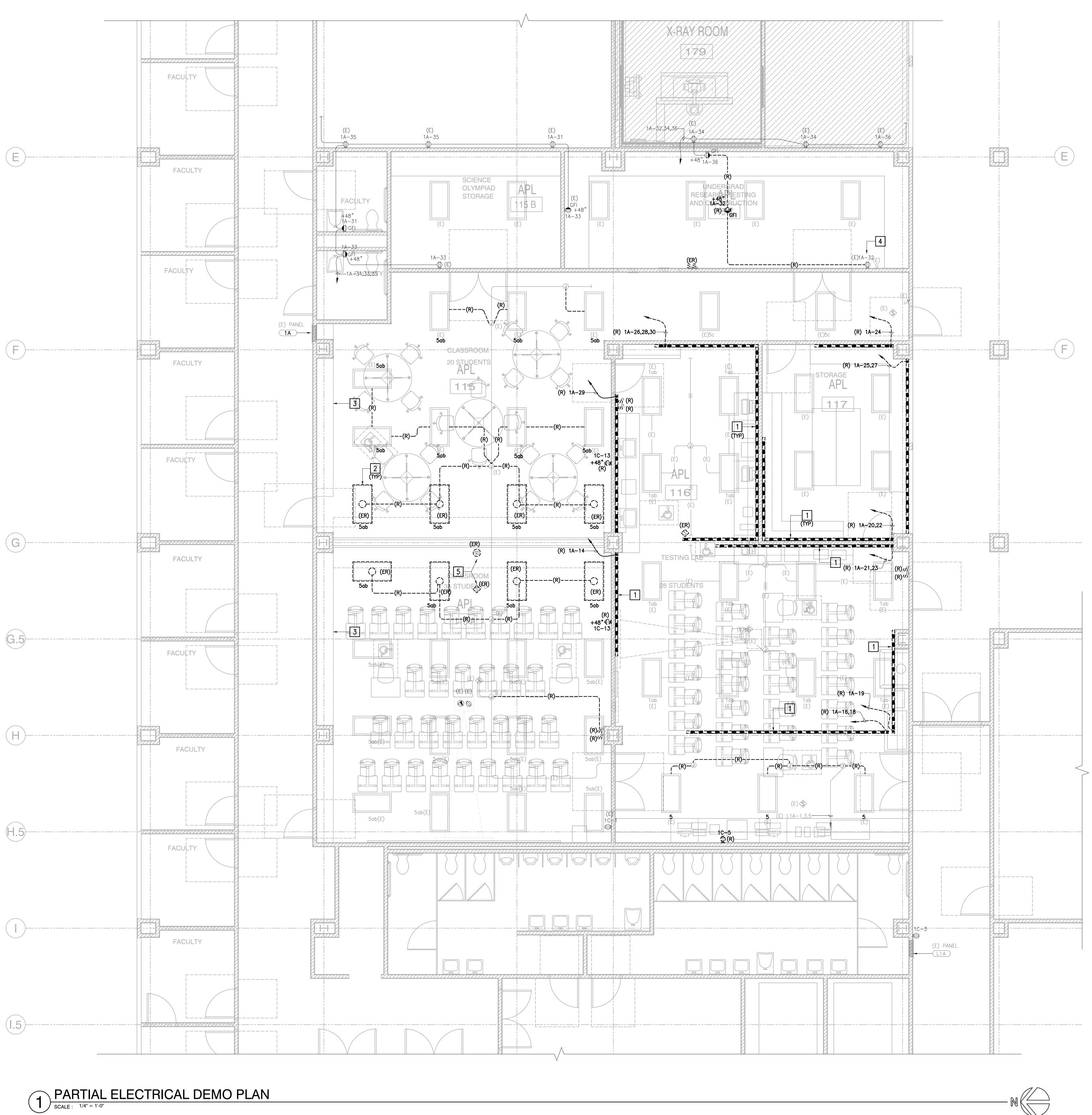
KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA 30 W. ARRELLAGA STREET SANTA BARBARA CA 93101 TELEPHONE (805) 963-1726 FAX (805) 963-2951 STEVE DOWTY, AIA SHANNON BLOMST PROJECT MANAGER All ideas, design arrangements and plans indicated or represented by this drawing are owned by and are the property of Kruger-Bensen-Ziemer, AIA architects, and were created, evolved and developed for use on, and in connection with, the specified projects. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of Kruger-Bensen-Ziemer. ENGINEER'S STAMP & SIGNATURE ARCHITECT'S STAMP & SIGNATURE No. C-11153 🖌 Ren. 11/17

CONSULTANT INFORMATION







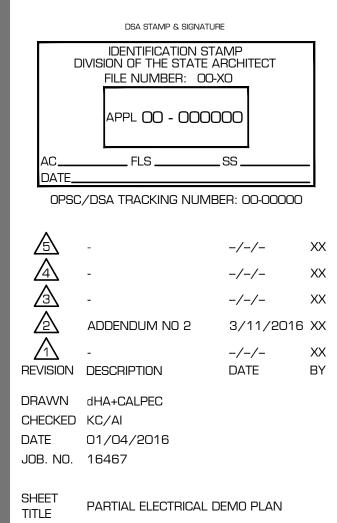


REFERENCE NOTES 1 RALL EXISTING WIREMOLD, OUTLETS & DATA ON WIREMOLD AND 1 RELATED CONDUITS TO BE REMOVED. 2 EXISTING LIGHTS TO BE REMOVED AND RELOCATED. REFER TO NEW ELECTRICAL PLAN FOR NEW LOCATION AND CONTROL CONNECTIONS. 3 SAFE-OFF AND CAP ALL (E) UTILITY LINES IN THE REMOVED UTILITY CHASE, CONCEAL IN FINISHES. 4 EXISTING RECEPTACLE TO REMAIN. EXTEND CONDUIT AND CONNECT TO THE SAME CIRCUIT AFTER DEMOLITION.

5 EXISTING CEILING MOUNTED ELECTRICAL DEVICES TO BE REMOVED AND RELOCATED ON NEW CEILING. SEE NEW ELECTRICAL PLAN FOR LOCATIONS.

SHEET NOTES:

- 1. SCREENED ITEMS DENOTES EXISTING EQUIPMENT TO REMAIN IN PLACE U.O.N.
- 2. BOLD ITEMS DENOTES DEMO WORK.



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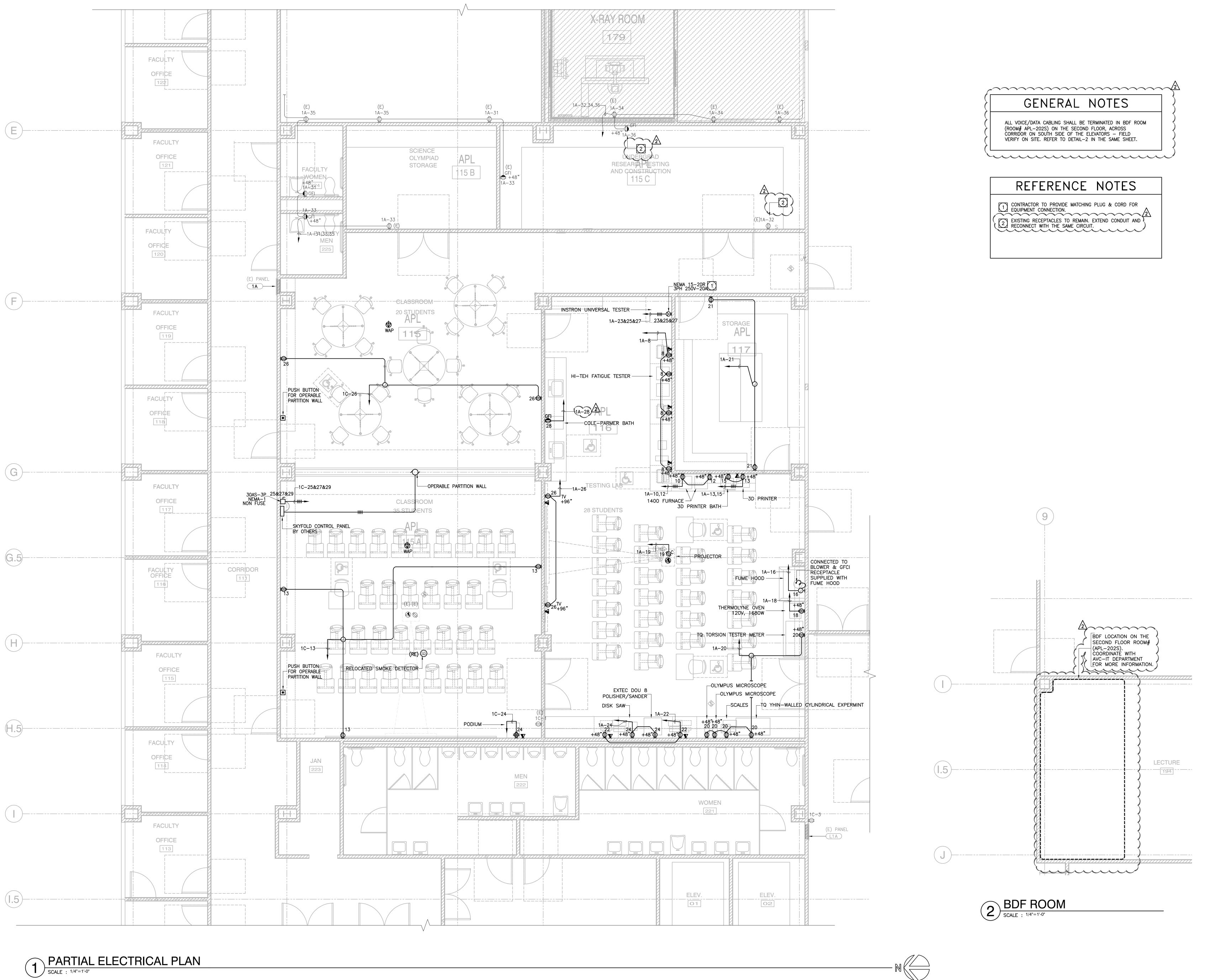
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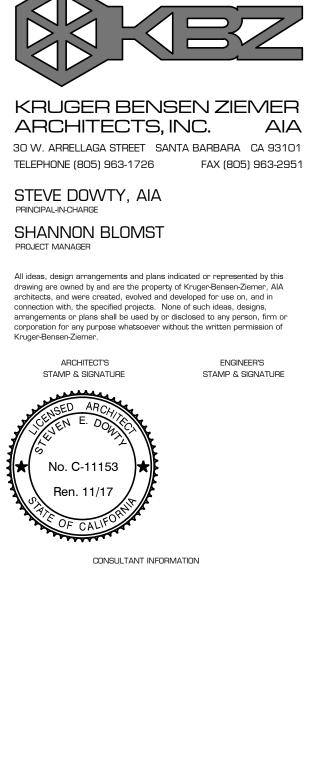
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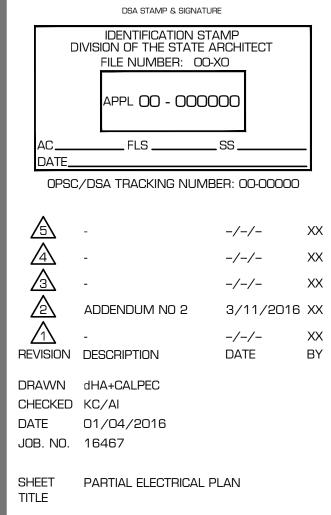
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