Date: AUGUST 10, 2023



ADDENDUM NO. 1 To Project Bidding Documents for:

RFQ-CCC-078 RFQ CCC-080 A#03-119689 Administration Building Renovation Re-bid Compton Community College District

tBP Project. No. 20987.00

tBP/ARCHITECTURE 4611 Teller Avenue Newport Beach, CA 92660 (949) 673-0300

TO: PROSPECTIVE

BIDDERS

This Addendum forms a part of the Contract Documents and modifies the original approved Bidding Drawings. Acknowledge receipt of this Addendum in space provided on the Bid Form. Failure to acknowledge may subject Bidder to disqualification.

This addendum revision includes:

- Bidding RFC Responses
- Scope of Work description.
- DSA_103, Required Structural Tests & Special Inspections
- Revised Table of Content & Specifications
- Revised Full-Size Sheets.
- A Bidding RFC's responses.
- B. Scope of Work Description
- C. DSA _103 List of required Structural Tests & Special Inspections 2016 CBC
- D. <u>Revised Specifications</u>

Revised table of Content. Replace the old Table of Content by new Addendum 1 Table of Content showing revised and omitted sections, included as part of this addendum.

Specification 088000 Glazing: Replace the old specification with a new Addendum 1 Glazing Spec section 088000. Included as part of this addendum.

E. <u>Revised Drawings:</u>

1. Revised SHEET AS-2 SITE DETAILS AND ACCESSIBLE PARKING

a. Included repair and slurry of asphalt area where new ADA parking is re-

stripped.

- b. Revised all existing wheel stops to be new.
- c. Corrected detail references.
 - See attached revised Full size sheet identifying revisions included as part of this addendum.

2. Revised SHEET A0-1 FLOOR PLANS DEMOLITION.

- a. Corrected general notes to clarify ambiguous scope notes.
- b. Include the replacement of two existing damaged exterior doors in the Electrical room and Storage room.
- c. Included the replacement of a wood window systems affected by termites.at the east side of the building.
- d. Added the demolition of the Lobby south wall (original building phone booths) and relocated new DF to this alcove created at this location.
- e. Added note 16 in several places where there were missing.
- f. Revised Key notes 13, 25, 29 and 37 Added key notes 39, 40 AND 41.
- g. Corrected graphics for wall to be remained shown as demo at grid line 2.
- h. Omitted the removal of the exterior sidewalk at the north side of the building.
- Added note and scope 22 to the existing boardroom.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

3. Revised SHEET A0-2 REFLECTED CEILING PLAN DEMOLITION

- a. Corrected general notes to clarify ambiguous scope notes.
- b. Added ceiling demo scope where walls are removed in Restrooms.
- c. Added the demolition of the original building phone booths.
- d. Identified and noted area of new access panels for fire alarm upgrade to President's office area.
- e. Clarified ceiling to be removed at Women's Lounge room.
- f. Reworded demo notes 1, 5 and 7.

See attached revised Full size sheet identifying revisions included as part of this addendum.

4. Revised SHEET A0-3 ROOF PLAN DEMOLITION

a. Corrected general notes and key notes to clarify ambiguous scope notes.

Reworded general notes and demolition key notes 4,6,7,8 & 18.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

5. Revised SHEET A1-1 FLOOR PLAN RENOVATION

- a. Corrected general notes and key notes to clarify ambiguous scope notes.
- b. Added two new doors to scope at Electrical Room 146 and Storage 145.
- c. Corrected wrong detail reference at ext. window at grid line "F" and at gridline "7".
- d. Relocated new high/Low drinking fountain to alcove where the telephone booths are being removed.
- e. Added 6" furring wall at Mailroom 134 for Electrical panel re-location.

- f. Added new window AL-22 to the scope.
- g. Added keynotes reference and notes #s 22, 23, 24, 28,31
- h. Interior wood doors' frame to be Hallow Metal instead aluminum.
- i. Lobby floor to be patched and prepared to receive new finish.
- j. Added door 128 to the hardware scope.
- k. Identified backing in wall for shelves and cabinets.
- Removed 7 windows from scope at south elevation of the building.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

6. Revised SHEET A2-1 REFLECTED CEILING PLAN -RENOVATION

- a. Corrected general notes and key notes to clarify ambiguous scope notes.
- b. Deleted repeated notes on roller shades.
- c. Clarify notes on access panels required for fire alarm upgrade.
- d. Revised the ceiling and lighting in the Lobby area.
- e. Reworded key notes for clarification.
- f. Removed window shades from scope except the ones at the clearstory windows in room 110.
- g. Added vertical shades in the Boardroom.
- h. Clarified legend.
 See attached Full size sheet identifying revisions included as part of this addendum.

7. Revised SHEET A3-1 ROOF PLAN RENOVATION

 a. Corrected general notes and key notes to clarify ambiguous scope notes. Added reference details to notes.
 See attached Full size sheet identifying revisions included as part of this addendum.

8. Revised SHEET A4-1 EXTERIOR ELEVATIONS

- a. South exterior elevation scope has been revised to omit some new windows at south elevation.
- b. Added new window to east elevation.
- c. Removed brick veneer from scope of work.
- d. Keynote 15 and 22 revisions.

9. Revised SHEET A7-1 ENLARGED TOILET PLAN

- a. Toilet Accessories Keynotes revised to ADD OFCI at non-ADA stalls.
- b. Added note for align wall grout with floor grout.
- c. Corrected some graphics at Women's Lounge.
- Shows DF relocation.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

10. Revised SHEET A8-1 INTERIOR ELEVATIONS

a. LOBBY 100 Removed wall paneling system from wall. Incorporated old phone booths removal and relocation of the drinking fountain.

- b. Added finishes notes.
- c. Removed crown molding and wood base and refinishing of wood paneling at Lobby.
- Added soffit for duct at Open Office Room 110
 See attached revised Full size sheet identifying revisions included as part of this addendum.

11. Revised SHEET A8-2 INTERIOR ELEVATIONS

Removed wood paneling re-finish scope shown in this sheet.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

12. Revised SHEET 5.01 CEILING DETAILS

a. Revised detail 20 to omit double roller shades.

13. Revised SHEET 6.01 CASEWORK & MISC. DETAILS

- a. Added detail 6 for duct soffit.at Open Office room 110 north wall.
- Revised Detail 8 and 18 for drinking fountain.
 See attached Full size sheet identifying revisions included as part of this addendum.

14. Revised SHEET 8.00 DOOR AND WINDOW SCHEDULE

- a. Window Schedule was revised to reflect the correct details reference.
- b. Added 1 new window elevation to schedule.
- c. Added Glass information to Schedule.
- d. Corrected door schedule detail references added 2 new doors.
- e. Added Hardware set reference from specifications to door schedule. See attached revised Full size sheet identifying revisions included as part of this addendum.

15. Revised SHEET 8.03 STOREFRONT DETAILS

a. Added details for added window AL-21 Window details #s 7, 11 and 16. See attached revised Full size sheet identifying revisions included as part of this addendum.

16. Revised SHEET 9.01 FINISH SCHEDULE

- a. Linoleum floor was replaced by LVT Added finish schedule notes, revised finishes scope. Terrazzo will be covered with LVT.
- b. All Project Carpet has been replaced by LVT throughout. See attached revised Full size sheet identifying revisions included as part of this addendum.

17. Revised SHEET 9.02 COLOR SCHEDULE

a. See clouded colors and materials.

 b. Omitted Polished Concrete, Linoleum, Carpet, Marker Boards, Tackboards, Wood re-finish.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

18. Revised SHEET 9.11 FLOOR FINISH PLAN

- a. Revised Lobby area floor finish to be LVT instead of Terrazzo.
- b. Removed Carpet floor Finish and LVT2 to be all replaced by LVT-1. See attached revised Full size sheet identifying revisions included as part of this addendum.

19 Revised Sheet M-1 MECHANICAL REMODEL FLOOR PLAN

- c. Added notes for door undercuts.
- d. Updated note to call for all new HVAC grilles for the entire project. See attached revised Full size sheet identifying revisions included as part of this addendum.

20 Revised Sheet MD1 MECHANICAL DEMO PLANS

Added notes to demo existing portable AC unit.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

21 Revised Sheet P-1 PLUMBING REMODEL FLOOR PLANS

a. Relocated the drinking fountain from the corridor to the vestibule location.

See attached revised Full size sheet identifying revisions included as part of this addendum.

22 Revised Sheet PD1 PLUMBING DEMO PLANS

- a. Added note to demo existing drinking fountain.
- b. Added note to demo existing sink.
 See attached revised Full size sheet identifying revisions included as part of this addendum.

23. Revised Sheet E0-2 Single Line Diagram in its entirety.

- a. Included removal of power from student service electrical room.
- b. Included addition of power from existing 4160V, PMS2 switch to new switchboard.
- c. Removed admin building old 2400 V one phase equipment from electrical room.
- d. Indicated existing power from switchboard EDBS north of Building "C" to existing Admin. Building roof mounted panel "R" to remain during construction

and to be removed after modernization of Admin. Building.

See attached revised Full size sheet identifying revisions included as part of this addendum.

24 **Revised Sheet E0-3 Details**.

- a. Removed access panel detail.
- b. Removed building grounding detail.

See attached revised Full size sheet identifying revisions included as part of this addendum.

25 **Revised Sheet E0-4 Panel Schedule**.

- a. Revised sheet title.
- b. Revised panel schedules ADP2, ADMP, ADL1 and ADP1.
- c. Added panel schedules ADP3, and ADP4.

See attached revised Full size sheet identifying revisions included as part of this addendum.

26 **Revised Sheet E0-5 Lighting Fixture Schedule and Details.**

- a. Added schedule for Fixtures A2, D1, and X1.
- b. Added Details "C" for pad-mounted high voltage transformer and switch.

See attached revised Full size sheet identifying revisions included as part of this addendum.

27 Revised Sheet ES-2 Enlarge Site Electrical Plan

- a. Revised power extension to Administration Building from existing high voltage switch.
- b. Show existing power feeder from existing switchboard EDSB to panel "R" to remain during modernization and to be removed after building's renovation.

See attached revised Full size sheet identifying revisions included as part of this addendum.

28. **Revised Sheet ED-1 Demolition Electrical Plan**

- a. Removed existing fire alarm and signal terminal cabinets.
- b. Removed existing power panel.
- c. Revised Plan Notes
- d. Removed power from window AC units.

See attached revised Full size sheet identifying revisions included as part of this addendum.

29. Revised Sheet E1-1 Lighting Plans

- a. Revised Lobby and Corridor Lighting Plans
- b. Revised Men and Women Restrooms Lighting Plans

See attached revised Full size sheet identifying revisions included as part of this addendum.

30. Revised Sheet E2-1 Power Plan

- a. Deleted old panels and added new panels at the same location of existing panels.
- b. Revised electrical room layout and room's demolition plan.
- c. Revised electrical room new plan.
- d. Indicated existing feeders under slab conduits and utilize them for new conductors.
- e. Revised roller Shade System power and control.
- f. Added power to new water heater and circulation pump indicated on Detail #2.
- g. Added power to roller Shade System indicated on Detail #2.
- h. Revised Plan Notes.

See attached revised Full size sheet identifying revisions included as part of this addendum.

- 31. Revised Sheet E2-2 Roof Electrical Plan
 - a. Updated Roof Plan based on revised Mechanical Plan.
 - b. Indicated power feed from electrical room to new ADMP panel located on the roof.
 - c. Added Details 2 and 3 for roof/canopy/mounted conduit and pull box.
 - d. Revised Plan Notes.

See attached revised Full size sheet identifying revisions included as part of this addendum.

ATTACHMENTS:

- A. Bidding RFC's Responses
- B. Scope of Work Description
- C. DSA_103
- D. Table of Content Specification 088000.
- E. Full Size Documents 30" x 42" Drawings: (Total 31)

ARCHITECTURAL

- AS-2 SITE DETAILS AND ACCESSIBLE PARKING
- FLOOR PLANS DEMOLITION A0-1
- A0-2 REFLECTED CEILING PLANS DEMOLITION
- A0-3 ROOF PLAN DEMOLITION
- A1-1 FLOOR PLANS RENOVATION
- A2-1 **REFLECTED CEILING PLAN RENOVATION**
- A3-1 ROOF PLAN RENOVATION
- A4-1 EXTERIOR ELEVATIONS
- A7-1 ENLARGED TOILET PLAN
- A8-1 INTERIOR ELEVATIONS
- A8-2 INTERIOR ELEVATIONS
- 5.01 **CEILING DETAILS**
- **CASEWORK & MISC. DETAILS** 6.02
- **DOOR & WINDOW SCHEDULE** 8.00
- 8.03 STOREFRONT DETAILS
- 9.01 **FINISH SCHEDULE**
- 9.02 COLOR SCHEDULE
- **FINISH PLAN** 9.11

MECHANICAL

- MECHANICAL REMODEL FLOOR PLANS M-1 MD-1 MECHANICAL DEMO PLANS.

PLUMBING

- P-1 PLUMBING REMODEL FLOOR PLANS.
- PD-1 PLUMBING DEMO PLANS.

ELECTRICAL

- E0-2 SINGLE LINE DIAGRAM
- E0-3 DETAILS
- E0-4 PANEL SCHEDULE
- E0-5 LIGHTING FIXTURES, SCHEDULE & DETAILS
- E1-1 LIGHTING PLAN
- E2-1 POWER PLANS
- E2-2 ROOF ELECTRICAL PLAN.
- ED-1 DEMOLITION ELECTRICAL PLANS
- ENLARGED SITE ELECTRICAL PLAN ES-2

tBP/Architecture ARCHITECT

TBP/ARCHITECTURE, INC.

4611 Teller Avenue, Newport Beach, CA 92660

Architect of Record

ARC

COMPTON COMMUNITY COLLEGE DISTRICT RFQ CCC-078 Administration Renovation

RFC Questions Answers

Addendum #1

	Addendum #1				
RFC Question		Reference Document	Answer		
1	Please, clarify if there are any Polished Concrete (PC) scope of work to be performed on this project? The project Specs include sections for Polished Concrete scope of work. However, the plans/drawings, specifically the Finish Schedule on sheet 9.01 does not indicate any Polished Concrete or Concrete Sealer	A9.01 03 35 11 03 35 43	Omit Polish Concrete from the project scope. Reference spec will be omitted from the specifications.		
2	applications. Is there any Labor Agreement (Union, PLA, CLA,) required for this project?		No		
3	What is the Engineer's Estimate for this project?		Total project estimate = \$2,300,000		
4	Solar Shades (SS): Can you confirm that this is a single manually operated roller shade using Sheerweave Style 2390 5% with is accompanying valance cover.		See addendum 1- Solar shades scope have been reduced to electric operated single shades only, located at Open Office Clerestory windows. Sheerweave Style 2390 5% is correct. These must have a pocket within the new suspended ceiling.		
5	Dual Shades (DS): The cut sheet shows this being installed above the ceiling grid, this does not allow for a valance cover would we need to supply a pre-fabricated aluminun headbox and cover plate?		Dual shades are NIC. Only single at clerestory windows must have an aluminum box and a cover plate		
6	Dual Shades (DS): The blackout fabric Avila Twilight in the color Khaki was discontinued, please advice on replacement specification.		NIC. See addendum 1.		
7	Motorized Shaed: Are we following the specification set elsewhere howeve with a motorized system? Fabric specification? Valance? Headbox?		See response to RFC #1 and Sheerweave Style 2390 5% is the spec . See Addendum 1 revised detail 20/5.01		
8	Motorized Shades: Will the motor be battery operated? Will it be 120v with RTS controlling? Hardwire controlling? Will the shades be integrated throughout the building?		See addendum 1, Hardwired per the electrical revisions.		
	Since there are several notes referring to Fire Sprinkler system, but there is no drawings or specs for that, please confirm if the fire sprinkler system is included within the project's scope of work.	9.1 EF-1	No fire sprinklers, Omit all references to it.		
	Since most of the interior walls are to be removed, please confirm if any shoring needed at first level.		Yes, shoring shall be provided and is the contractor's responsibility to determine location based on demo and as built conditions.		
11	We are not able to locate Marker Boards, Tackboards, and display cases per color schedule (sheet 9.2). Please advise.	9.2	NIC. Remove from sheet 9.2		
12	Please confirm if the Existing Duct Cleaning is needed for this project.		All existing ductwork shall be cleaned. See added note in sheet M-1 Addendum 1		
13	Please provide specifications for G-1 & G-2. There is not information about a 1"IGU in section 088000 or Glass Schedule information in the drawing 8.00	G-1 G-2 8.00	Glass spec is provided . See sheet 8.00 Modified to be 1" insulated glass		

COMPTON COMMUNITY COLLEGE DISTRICT

RFQ CCC-078 Administration Renovation

RFC Questions Answers

Addendum #1

RFC	Question	Reference Document	Answer
	For the sliding door #001, 006 & 007, please provide specifications for 5/8" insulated glass.		Glass spec is provided . See sheet 8.00 Addendum 1 Modified to be 1" insulated glass
	AL-1 to Al-21 are exterior windows, buth the details show the storefront systems.	AL-1 to A1-21	All detail reference have been corrected, See sheet 8.00 Addendum 1
16	Door number is missing on the floor plan (A1- 1).	A1-1	Missing numbers reflect door NIC
	Door #002 deatil (3/8.01) is inconsistant with the door aluminum material as it shows hollow metal instead.		All detail reference have been corrected, See sheet 8.00 Addendum 1
18	Door #107 information is missing on Door Schedule (8.00)	8.00	All detail references have been corrected, See sheet 8.00 Addendum 1
	Missing details information for the Exterior Window Details 1/8.03, 6/8.03, 11/8.03, 16/8.03, 15/8.03 , 19/8.03.		All detail reference have been corrected, See sheet 8.00 Addendum 1
	Is window A-11 on 8.00 drawings same as AL-11 on A1-1 drawing?	8.00 A1-1	All detail reference have been corrected, See sheet 8.00 Addendum 1

SECTION 1010 SCOPE OF WORK

PART 1 - GENERAL

1.01 SECTION INCLUDES:

- A. All work Covered by Contract Documents
- B. Contractor Use of Premises

1.02 WORK COVERED BY CONTRACT DOCUMENTS:

- A. Work Included: The work to be performed by contractor shall conform to the requirements of all of Division 00 and Division 01 as well as the General Conditions, Special Conditions, Specifications, <u>all sheets in Drawings</u> and other related documents (Environmental Report, Addenda), and includes the furnishing of all supervision, labor, materials, tools, equipment, transportation, plan and services necessary therefore and incidental thereto to complete the project. If reference is not made to a specific specification section, it does not relieve the prime contractor of his obligation for all specification sections. The work shall consist of, but not be limited to, the following project procedures / scope:
 - 1. All scope of work described herein as depicted within the drawings for DSA Application 03-119689.
 - 2. Contractor is to accurately locate and provide, or assign through subcontract, all materials and work for the entire project including but not necessarily limited to the following work: Temporary Project Sign, Demolition Work, Site Concrete Paving, Plain Concrete Paving, Concrete Formwork, Concrete Reinforcement, Cast-In-Place Concrete, Concrete Finishing, Anchors and Fasteners, Expansion Joint Cover Assemblies, Rough Carpentry, Coring and Saw Cutting, Mortar, Grout, Metal Fabrications, Finish Carpentry, Roofing, Sheet Metal, Roof Accessories, Light Gage Metal Framing, Signage, Fire Stopping & Fire Proofing, Sealants, Access Panels, Light Gauge Metal Framing, Suspended Framing and Furring, Plaster, Acoustical Ceilings, Painting Exterior Metal, and all other required materials, equipment and labor not identified, but necessary to complete project scope of work.
 - 3. Contractor shall not scale drawings. All measurements shall be field verified.

- 4. **Provide a \$150,000 Allowance to be used at the discretion of the District through the Construction Manager**. All work pertaining to the allowance must be approved by the Construction Manager. If work authorized is less than the Allowance, then a Deductive Change Order will be issued. Work to be directed by the Construction Manager. The allowance shall be listed as a separate line item on the contractor's schedule of values.
- 5. This contractor is aware and will have sole responsibility of coordinating contractors performing work incidental to this project, such as moving operations, electronic installations and furniture installation for which the District school contractors will be required on an as necessary basis.
- 6. Demolition and Environmental Abatement:
 - A. This contractor will comply and provide all Lead and asbestos abatement as specified within the consulting Report:

Comprehensive Asbestos and lead based paint XRF survey report: Bainbridge Project # 18016255.12 Dated: January 18, 2018

- B. Provided within the documents and included in the bid. All required certifications will be provided by this contractor.
- C. This contractor will coordinate and sequence the abatement and demolition contractor to ensure that the demolition is not delayed by the abatement contractor as shown in the schedule.
- 7. The Contractor will Provide all site security, including necessary lighting, for the entire project site under construction and the lay down yard, for the duration of the project. This contractor will contract and hire a professional bonded construction security company to perform all site security needs and will be responsible for all vandalism, damage and theft that occur during their scheduled security watch. The security service will include but not be limited to full-time coverage Monday through Friday starting at 3PM each working day and ending at 7AM the following workday, full-time weekend coverage from 3PM Friday through 7AM Monday, full-time round the clock coverage of all holidays until the next scheduled workday, all overtime requirements, daily written reports to the Construction Manager, hourly patrols of the entire site with written reports that show hourly patrols. The Contractor will show all costs for the security service as a separate line item on the schedule of values.
- 8. This contractor understands that this contract and construction will be conducted under the Occupied Site Protocol. All activities outside of the work area: i.e. Deliveries, Flagmen, Parking, Staging, outside of the designated work area must be scheduled and approved by the District two weeks prior. This will allow the

District ample time to provide a notification to the Students and Staff. Any damage to the District's property outside of the work area will be the contractor's responsibility to repair or replace immediately.

- A. The contractor will include a two-week notification for the connection to the high voltage switch (PMS2) to ensure no impact of shutdown is experienced by the rest of the campus. This includes the possibility of working after hours and/or weekends to avoid interruptions to the campus curriculum.
- 9. Specific Scope of Work outside Limits of Work to be included within this Bid Package: Laydown Yard Restoration. Remove and dispose of all remaining debris. Remove all temp fence. Remove construction trailer etc. Reinstall any disturbed ground cover and return all areas to an undisturbed state. Complete wash down and make sure all existing irrigation is still fully functional. This contractor is responsible for all damage occurring to the irrigation and will repair to achieve full functionality. This contractor is responsible for all damages occurring as a result of this contract.
- 10. The Contractor understands and will allow a minimum period of two days after demolition for a pest control evaluation through the building. The contractor has the sole responsibility of notifying the district and/or district representative of the demolition ending period 1 week in advance to coordinate the pest control evaluation.
- 11. The Contractor shall include in their base bid replacement of at least 10% of the roof sheathing and will identify as a separate line item in the schedule of values for confirmation.
- 12. The Contractor shall include in their base bid replacement of at least 10% of the fascia and will identify as a separate line item in the schedule of values for confirmation.
- 13. The Contractor has the sole responsibility to x-ray the concrete slab prior to concrete saw cutting in the areas where demo of the concrete slab is required and shown within the plans.
- 14. The Contractor shall confirm and coordinate with the plumber and electrician to trace out all of the underground utilities pertaining to but not limited to water, sewer, gas lines, and electrical lines under the concrete slab.
- 15. The Contractor understands the scheduling requirements and has included within its base bid all weekend and overtime work necessary to meet the construction schedule. This is to include sufficient manpower, materials and equipment to meet each portion of the construction schedule. All submittals are to be completed and turned in for review to allow for proper review and approval, material procurement, material manufacturing and material delivery in

accordance with the construction schedule and submittal schedule shown below.

This Contractor is to adhere to the following submittal schedule shown as Calendar Days.

1.	Executed contract.	Five (5) Days from the District's issuance of a Notice to Proceed.
2.	Submittal	Fifteen (15) Days from the District's issuance of a Notice to Proceed
3.	Shop Drawing Schedule	Fifteen (15) Days from the District's issuance of a Notice to Proceed
4.	Procurement schedule with all copies of purchase orders and subcontractor agreements.	Fifteen (15) Days from the District's issuance of a Notice to Proceed
5.	Manufacturing schedule with all long lead and special inspection requirements.	Fifteen (15) Days from the District's issuance of a Notice to Proceed
6.	Delivery schedule.	Fifteen (15) Days from the District's issuance of a Notice to Proceed
7.	Detailed construction schedule.	Fifteen (15) Days from the District's issuance of a Notice to Proceed
8.	Commissioning, Warranty, Closeout and punch list schedule.	Fifteen (15) Days from the District's issuance of a Notice to Proceed.

16. Furnish and install all Maintenance of Concrete per Spec Section 03 01 00.

17. Provide all Concrete Forming scope of work per plans and spec section 03 10 00.

18. Provide all Concrete Reinforcing scope of work per plans and spec Section 03 20 00.

- 19. Provide all Cast In Place Concrete scope of work per plans and spec Section 03 30 00.
- 20. Provide all Concrete Floor Finishes scope of work for this bid package, per plans and specs. Section 03 35 11
- 21. Provide all Post-Installed Concrete Anchors per plans and spec section 05 05 19.
- 22. Provide all Metal fabrications per plans and specification Section 05 50 00.

- 23. Provide all rough carpentry scope of work for this bid package, per plans and specifications. 06 10 00.
- 24. Provide all Finish Carpentry scope of work for this bid package, per plans and specifications. 06 20 00.
- 25. Provide all architectural wood casework scope of work for the entire project per plans and specifications. 06 41 00
- 26. Provide all Preparation for Re-Roofing scope of work for the entire project per plans and specifications. 07 01 50.19
- 27. Provide all Fire and Smoke Assembly Identification scope of work per plans and specs. 07 05 53
- 28. Provide all Thermal Insulation scope of work per plans and specs. 07 21 00.
- 29. Furnish and install Thermo Plastic Membrane Roofing and all work as shown on plans and specs. 07 54 00.
- 30. Furnish and install all Sheet Metal Flashing and Trim scope of work to include but not limited to Specification Section 07 62 00
- 31. Furnish and Install all Roof Accessories per Specification Section 07 72 00.
- 32. Furnish and Install all Fire Stopping per Specification Section 07 84 00.
- 33. Furnish and Install all Joint Sealants per Specification Section 07 92 00.
- 34. Furnish and Install all Door Hardware Schedule per Specification Section 08 06 71.
- 35. Furnish and Install all Hollow Metal Doors and Frames per Specification Section 08 11 13.
- 36. Furnish and Install all Flush Wood Doors per Specification Section 08 14 16.
- 37. Furnish and Install all Access Doors and Panels per Specification Section 08 31 00.
- 38. Furnish and Install all Automatic Entrances per Specification Section 08 42 29.
- 39. Furnish and Install all Aluminum Framed Storefronts per Specification Section 08 43 13.
- 40. Furnish and Install all Door Hardware per Specification Section 08 71 00.
- 41. Furnish and Install all Glazing per Specification Section 08 80 00.
- 42. Furnish and Install Common Work Results for Flooring Preparation all per Specification Section 09 05 61.
- 43. Furnish and Install Gypsum Board Assemblies all per Specification Section 09 21 16.

- 44. Furnish and Install Lath all per Specification Section 09 22 36.
- 45. Furnish and Install Cement Plastering all per Specification Section 09 24 00.
- 46. Furnish and Install Tiling all per Specification Section 09 30 00.
- 47. Furnish and Install Suspended Acoustical Ceilings all per Specification Section 09 51 00.
- 48. Furnish and Install Resilient Flooring all per Specification Section 09 65 00.
- 49. Furnish and Install Tile Carpeting all per Specification Section 09 68 12.
- 50. Furnish and Install Sound Absorbing Wall and Ceiling Units all per Specification Section 09 84 30.
- 51. Furnish and Install Exterior Painting all per Specification Section 09 91 13.
- 52. Furnish and Install Interior Painting all per Specification Section 09 91 23.
- 53. Furnish and Install Signage all per Specification Section 10 14 00.
- 54. Furnish and Install Traffic and Parking Signage all per Specification Section 10 14 53.
- 55. Furnish and Install Phenolic Toilet Compartments all per Specification Section 10 21 13.17
- 56. Furnish and Install toilet Accessories all per Specification Section 10 28 00.
- 57. Furnish and Install Fire Protection Specialties all per Specification Section 10 44 00.
- 58. Furnish and Install Window Shades all per Specification Section 12 24 00.
- 59. Furnish and Install Countertops all per Specification Section 12 36 00.
- 60. Furnish and install Plumbing all per specifications Sections:
 - A. 22 00 50 Common Work Results for Plumbing Systems
 - B. 22 05 13 Common Motor Requirement for Plumbing Equipment
 - C. 22 05 17 Sleeves and Sleeve Seals for Plumbing Piping
 - D. 22 05 18 Escutcheons for Plumbing Piping
 - E. 22 05 19 Meters and Gages for Plumbing Piping
 - F. 22 05 23 General-Duty Valves for Plumbing Piping
 - G. 22 05 29 Hangers and Supports for Plumbing Piping Equipment
 - H. 22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment
 - I. 22 05 53 Identification for Plumbing Piping and Equipment

- J. 22 07 19 Plumbing Piping Insulation
- K. 22 1116 Domestic Water Piping
- L. 22 1119 Domestic Water Piping Specialties
- M. 22 11 23 Domestic Water Pumps
- N. 22 13 16 Sanitary Waste and Vent Piping
- O. 22 13 19 Sanitary Waste Piping Specialties
- P. 22 13 19.13 Sanitary Drains
- Q. 22 34 00 Fuel-Fired, Domestic-Water Heaters
- R. 22 42 13.13 Commercial Water Closets
- S. 22 42 13.16 Commercial Urinals
- T. 22 42 16.13 Commercial Lavatories
- U. 22 42 16.16 Commercial Sinks
- 61. Provide all Fire stopping scope of work for Section 22 (Plumbing) scope of work per plans and specifications; excluding fire stopping items specifically listed in other Specification Sections scopes of work.
- 62. Provide all Joint Protection scope of work for Section 22 (Plumbing) scope of work per plans and specifications; excluding joint sealer items specifically listed in other Specification Sections scopes of work. All costs for repairs due to this bid package's negligence shall be borne by this Bid Package, and completed without impact to the approved construction schedule and without additional cost to the District.
- 63. Furnish and install Heating, Ventilating, and Air-Conditioning all per plans and Specifications, Division 23:
 - A. 23 00 50 Common Work Results for HVAC Systems
 - B. 23 05 13 Common Motor Requirements for HVAC Equipment
 - C. 23 05 17 Sleeves and Sleeve Seals for HVAC Piping
 - D. 23 05 18 Escutcheons for HVAC Piping
 - E. 23 05 29 Hangers and Supports for HVAC Piping and Equipment
 - F. 23 05 48 -Vibration and Seismic Controls for HVAC
 - G. 23 05 53 Identification for HVAC Piping and Equipment
 - H. 23 05 93 Testing, Adjusting, and Balancing for HVAC
 - I. 23 07 13 Duct Insulation
 - J. 23 07 19 HVAC Piping Insulation
 - K. 23 09 23 Direct-Digital Control System for HVAC
 - L. 23 11 23 Facility Natural-Gas Piping

- M. 23 23 00 Refrigerant Piping
- N. 23 31 13 Metal Ducts
- O. 23 33 00 Air Duct Accessories
- P. 23 33 46 Flexible Ducts
- Q. 23 34 23 HVAC Power Ventilators
- R. 23 37 13 Diffusers, Registers, and Grilles
- S. 23 41 00 Particulate Air Filtration
- T. 23 51 23 Gas Vents
- U. 23 74 16 Packaged, Rooftop Air-Conditioning Units
- V. 23 81 26.13 Variable Refrigerant Flow Split-System Heat-Pumps
- 64. Provide all Fire stopping scope of work for Section 23 (HVAC) scope of work per plans and specifications; excluding fire stopping items specifically listed in other Specification Sections scopes of work.
- 65. Provide all Joint Protection scope of work for Section 23 (HVAC) scope of work per plans and specifications; excluding joint sealer items specifically listed in other Specification Sections scopes of work. All costs for repairs due to this bid package's negligence shall be borne by this Bid Package, and completed without impact to the approved construction schedule and without additional cost to the District.
- 66. Furnish and install Electrical per plans and Specifications, Division 26:
 - A. 26 05 00 Common Work Results for Electrical
 - B. 26 05 01- Basic Electrical Materials and Methods
 - C. 26 05 05 Electrical Demolition
 - D. 26 05 30 Conduit and Wire
 - E. 26 05 48 Sound Control
 - F. 26 09 43 Lighting Control Systems
 - G. 26 24 13 Switchboards
 - H. 24 24 16 Branch Circuit Panelboards and Terminal Cabinets
 - I. 26 24 19 Motor Control Equipment
 - J. 26 00 00 Lighting Fixtures
 - K. 26 52 00 Emergency Lighting Central Battery
- 67. Provide all Fire stopping scope of work for Section 26 (Electrical) scope of work per plans and specifications; excluding fire stopping items specifically listed in other Specification Sections scopes of work.
- 68. Provide all Joint Protection scope of work for Section 26 (Electrical) scope of work per plans and specifications; excluding joint sealer items

specifically listed in other Specification Sections scopes of work. All costs for repairs due to this bid package's negligence shall be borne by this Bid Package, and completed without impact to the approved construction schedule and without additional cost to the District.

- 69. Furnish and install Electrical (Communications) per plans and Specifications, Division 27:
 - A. 27 08 00 Commissioning of Communications Systems
 - B. 27 20 00 Electronic Network Systems Infrastructure
 - C. 27 41 Audio-Video Systems and Equipment
- 70. Provide all Fire stopping scope of work for Section 27 (Electrical) scope of work per plans and specifications; excluding fire stopping items specifically listed in other Specification Sections scopes of work.
- 71. Provide all Joint Protection scope of work for Section 27 (Electrical) scope of work per plans and specifications; excluding joint sealer items specifically listed in other Specification Sections scopes of work. All costs for repairs due to this bid package's negligence shall be borne by this Bid Package, and completed without impact to the approved construction schedule and without additional cost to the District.
- 72. Furnish and install Electrical (Electronic Safety and Security) per plans and Specifications, Division 28:
 - A. 28 10 00 Access Control
 - B. 28 46 20 Fire Alarm
- 73. Provide all Fire stopping scope of work for Section 28 (Electrical) scope of work per plans and specifications; excluding fire stopping items specifically listed in other Specification Sections scopes of work.
- 74. Provide all Joint Protection scope of work for Section 28 (Electrical) scope of work per plans and specifications; excluding joint sealer items specifically listed in other Specification Sections scopes of work. All costs for repairs due to this bid package's negligence shall be borne by this Bid Package, and completed without impact to the approved construction schedule and without additional cost to the District.
- 75. Provide all the required Earthwork per plans and Specifications, Division 31:
 - A. 31 23 16.13 Trenching
- 76. Provide all the required Exterior Improvements per plans and Specifications, Division 32:
 - A. 32 01 17 Asphalt Pavement Repair
 - B. 32 13 13 Concrete Paving
 - C. 32 17 23.13 Painted Pavement Markings

- D. 32 17 26 Tactile Warning Surfacing
- 77. Provide all attic stock and turnover items to District as part of project each specification section completion.
- 78. Contractor agrees to provide a minimum of one competent English speaking, skilled foreman or superintendent for each major trade, who shall be present at all times during execution of the Contractor's work. Failure to provide adequate Superintending shall result in an assessment of Construction Management costs levied to have the Construction Manager coordinate and manage prime contractors / subcontractor's work. In no event shall the Construction Manager or the District be liable for any costs associated with the Contractors lack of supervision. This Contractor agrees to use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods need for proper performance of the work.
- 79. Provide all shop drawings and submittals so as to not cause any delays to any portion of the construction schedule in this bid package or any other bid package included in this project.
- 80. This contractor if responsible for all temporary site construction fencing with windscreen for the entire project, and is required to monitor, maintain, and reconfigure fencing on a daily basis as described in Division 01, Section 01 50 00, Temporary Facilities or as directed by the Construction Manager/District.
- 81. Temporary Facilities: This Contractor will have sole responsibility to provide all required temporary services of toilets, water, safety, and construction access. These temporary facilities include but are not limited to: self-contained toilet units / sanitary facilities, temporary roads and paved areas, rumble plates, maintaining fire lane access at all times during construction, facilities for dewatering (from any source of water) and drains, project identification and temporary construction signage, trash disposal facilities, and environmental protection, pest control, barricades, traffic control flagman/flagmen with phone/radios (daily at all points of delivery and/or exiting of materials, waste, etc. as required), security, warning signs and lights, temporary enclosures, temporary fire protection and fire extinguishers.
- 82. Provide additional temporary lights not provided by electrical, heating, cooling, ventilation and humidity control as necessary for safety and completion of work.
- 83. Provide temporary project signs as described in the plans and/or specifications.
- 84. This Contractor to provide a fully equipped field office including a conference area/table to accommodate a minimum of 8 persons.
- 85. Provide all temporary access as required for the entire scope of work.

This includes, but is not limited to, trench plates, scaffolding, catwalks, scissor lifts, petti bones, rigging, cranes, gang ways, rumble plates at entrance, etc.

- A. Provide all fall protection scope of work, as necessary, throughout duration of construction.
- B. If this contractor finds dissimilarities or conflict between the Specification and the information found within the plans, plan notes, the schedules within the plans and/or the governing agencies, this contractor will include in this base bid the most stringent and most costly solutions.
- C. Record Drawings This Contractor shall maintain and update all changes in the work on the Construction Manager's record drawing set in the field office. All entries must be reviewed by the Construction Manager. Monthly progress payments will be withheld until this requirement is complied with.
- D. Daily Reports By 10:00 a.m. the following business day, Trade Contractor's shall submit a Daily Report to the Construction Manager for the previous day's work. Daily Reports shall be prepared on forms approved by the District, together with applicable delivery tickets, listing all labor, materials, and equipment involved for that day. The Construction Manager reserves the right to note inconsistencies or inaccuracies in the Daily Reports. In such cases, pertinent notes shall be entered by each party to explain points which cannot be resolved that day. Reports by Subcontractors or others shall be submitted through General Contractor. Monthly progress payments will be withheld until this requirement is complied with.
- E. This Contractor shall coordinate his work with that of other prime contractors and/or work by the District. All potential space conflicts are to be identified during the bidding and field investigation process. If a field space conflict is encountered, it shall be reworked or rerouted at no additional cost and only a scope change by the Architect will be considered for contract price adjustment.
- F. Provide all white glove clean up scope of work for all interior and exterior buildings for the entire project, including but not necessarily limited to cleaning, mopping, waxing, vacuuming carpet, cleaning all rest rooms, dusting, window cleaning and removal of all residual trash after all other bid packages have completed final clean up. All final white glove clean up must have the districts final approval through the Construction Manager.
- G. Provide all dewatering and control of site rainwater.
- H. This bid package shall provide maximum protection to all existing and/or finished construction throughout the course of the work. The

District will not accept any claim for repair or replacement of this bid packages material or installed work due to vandalism, malicious mischief, construction traffic, theft, etc. inflicted by unidentifiable parties. Any such replacement or repairs shall be at this bid packages cost.

- I. Provide scheduling for all base, asphalt and concrete deliveries to ensure all site work concrete flatwork pours, cast-in-place pours are continuous and without authorized cold joints and/or defects.
- J. Request for Information This Prime Contractor shall make requests for information in writing to the construction manager as they relate to issues regarding interpretation and clarification of the plans and specifications. Construction Manager will forward to Architect/District for response. All requests shall be made in a timely manner allowing for a five (5) calendar day response time so as not to delay the work or overall schedule.
- K. Schedule shall be in accordance with District approved construction schedule and all subsequent revisions.
- L. Continuous housekeeping and daily cleanup is mandatory. Contractor shall put debris in own debris boxes and/or remove debris from site at contractor's own expense prior to the end of the work day or as directed by the Construction Manager. All debris boxes and containers shall be kept free of graffiti at all times. If Contractor fails to perform daily clean up, the Construction Manager shall order that clean up done at the Contractor's expense. In the event of trade trash disposal disputes, costs shall be divided up as a percentage of the project value and back charged to the appropriate Prime Contractor. The Construction Manager will direct all cleaning in the event of a dispute.
- M. Weekly coordination meetings will occur throughout construction. Attendance by job superintendent and major subcontractors is required.
- N. Provide punch list repairs/corrections for this scope of work.
- O. Punch list, final clean up, and closeout for this bid package per contract construction schedule. Parties agree that delays to punch list, final clean up, and closeout would constitute a delay in project completion and, therefore, entitles the District to withhold and retain potential liquidated damages per the Contract Documents from Contractor's progress payments.
- i. Existing Site Conditions: <u>The Contractor shall make a thorough</u> examination of the site to determine all existing conditions affecting the work prior to beginning any work under this bid package. All conflicts within the contract documents and existing conditions are to be brought

to the attention of the Construction Manager during the bidding process by way of the pre-bid clarification form issued at the job walk. Any claims for changes in scope or claims for additional compensation will not be considered for this contractor's failure to notify the construction manager of such conflicts/discrepancies.

ii. Location of Site: The site is located at 1111 E. Artesia Blvd., Compton, California 90221

b. CONTRACT METHOD:

i. Construct the Work under a single Lump Sum Contract with a Schedule of Values.

c. CONTRACTOR USE OF PREMISES:

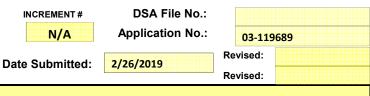
- i. Contractor shall have use of the premises for the execution of the work.
- ii. Coordinate use of the premises under the direction of the Construction Manager.
- iii. Assume full responsibility for the protection and safekeeping of products under this Contract that are stored on the site.
- iv. Move any stored products under Contractor's control that interferes with the operations of the Owner and/or any other bid package.
- v. Obtain and pay for the use of additional storage or work areas needed for operations.
- vi. Contractor shall assume all responsibility for parking his own and his subcontractor's vehicles at the direction of the Construction Manager. Contractor shall direct all material deliveries to the construction gate.
- vii. All contractors must comply with the District's policies regarding worker conduct and security.
- viii. All District property is tobacco free, drug free, alcohol free, weapons free and graffiti free. Contractor shall enforce these rules to his crew, subcontractors and suppliers.
- ix. If any person working on the contract should engage in theft of money, property, supplies, equipment, food or any other item, whether from the District's personnel, students, facilities, employees, visitors, or from another of the Contractor's personnel or subcontractors, that person will be immediately and permanently dismissed from the site.
- x. All contractors shall be required to provide **company logo attire** from their firm indicating employee identification while on District property. Contractor shall provide Department of Justice background checks for all full-time Superintendents and Foremen for the project and coordinate / provide all documentation necessary to the District through the Construction Manager. The Superintendent or Foreman shall be responsible for signing in all personnel under his/her authority every day and providing the sign-in sheet to the Construction Manager at the

close of every business day. This cost shall be included in the Contractor's bid.

END OF SECTION

Page 1 of 3





School Name

Compton College Admin Bldg

District Compton Community College District

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.

NOTE: This form is also available for projects submitted for review under the 2007, 2010, and 2013 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests and inspections finally selected. For more information on use of this form, see DSA-103.INSTR.

	Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.						
	test or special inspection	TYPE	PERT	Sentill CODE REFERENCE AND NOTES			
-	SOILS	t.		·			
-	- CONCRETE Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13						
-	7. CAST IN PLACE CONCRETE						
	Material Verification and Testing:						
X	a. Verify use of required design mix.	Periodic	SI*	Table 1705A.3 Item 5, 1910A.1 (1909.2.3 ⁺). * To be performed by qualified batch-plant inspector and concrete sampling technician			
Х	b. Identifiy, sample, and test reinforcing steel.	Test	LOR	1910A.2 (1909.2.4 ⁺); ACI 318-14 Section 26.6.1.2. DSA IR 17-10.16			
X	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 item 6; ACI 318-14 Sections 26.5 & 26.12			
X	d. Test concrete (f _c).	Test	LOR	1905A.1.16 (1909.3.7 ⁺); ACI 318-14 Section 26.12.			
	Inspection:	•••••	•	•			
X	e. Batch plant inspection	See Notes	SI	Default of 'Continuous' per 1705A.3.3 ; If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1 or eliminated per 1705A.3.3.2 . (See Appendix for exemptions.)			
-	- 11. POST-INSTALLED ANCHORS:						
x	a. Inspect installation of post-installed anchors	See Notes	SI*	Table 1705A.3 Item 4a (Continuous) & 4b (Periodic) (see Appendix for exemptions). ACI 318-14 Sections 17.8 & 26.13 * May be performed by the project inspector when specifically approved by DSA.			
X	b. Test post-installed anchors.	Test	LOR	1910A.5 (1909.2.7 ⁺). (See Appendix for exemptions.)			
+	MASONRY	TMS 402-13/A	CI 530-1	3/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5			

Page 2 of 3

DEPAR	DISION OF THE STATE ARCHITECT			uctural Tests - 2016 CBC
-	STEEL, ALUMINU	JM		Table 1705A.2.1, AISC 3
-	23. ANCHOR BO	LTS, ANCHOR	RODS, & OTHE	R STEEL:

ural Tests & 2016 CBC		&	INCREMENT #	DSA File No.: Application No.:		03-119689		
			Date Submitted:	2/26/2019		vised: vised:		
le 1705A.2.1, AISC 303-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10								
EEL:								
Test	LOR	IR 17-11 Sam	ole and test anchor bolts	and anchor rods not rea	adily ide	ntifiable.		

- WOOD

a. Anchor Bolts and Anchor Rods

-

+ OTHER

Page 3 of 3



DSA-103 Issued 9/1/2017 List of Required Structural Tests & Special Inspections - 2016 CBC

INCREMENT #	DSA File No.:
N/A	Application No.:
	[

2/26/2019

Date Submitted:

03-119689 Revised:

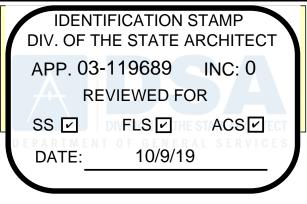
Revised:

List of required verified report(s): All Structural Testing: Laboratory Verified Report - Form DSA-291 1 2 Concrete Batch Plant Inspection: Laboratory Verified Report - Form DSA-291 KEY to Columns 2 Type -Performed By -GE – Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or Continuous - Indicates that a continuous special inspection is required her authorized representative LOR – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Periodic – Indicates that a periodic special inspection is required Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1. SI - Indicates that the special inspection is to be performed by a special inspector **Test** – Indicates that a test is required

Name of Architect or Engineer in general responsible charge

YOUNG K. NAM





SECTION 00 01 10

TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS

DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

- 00 01 01 Project Title Page
- 00 01 02 Project Information
- 00 01 07 Seals Page
- 00 01 10 Table of Contents
- 00 31 00 Available Project Information

The following Division 00 - Procurement and Contracting Requirements documents and Division 01 - General Requirements sections are provided by the Compton Community College District and are under separate cover. These are not produced by the Architect.

- 00 11 13 Notice Calling for Bids
- 00 21 13 Instructions for Bidders
- 00 41 00 Bid Proposal
- 00 43 24 Pre-Bid Inquiry Form
- 00 43 36 Subcontractors List
- 00 45 10 Verification of Contractor & Subcontractor DIR Registration
- 00 45 13 Statement of Qualifications
- 00 45 19 Non-Collusion Affidavit
- 00 45 26 Certificate of Workers Compensation Insurance
- 00 45 27 Drug-Free Workplace Certification
- 00 52 00 Agreement
- 00 61 00 Bid Bond
- 00 61 13 Performance Bond
- 00 61 14 Labor and Material Payment Bond
- 00 62 90 Verification of Certified Payroll Records Submittal to Labor Commissioner
- 00 65 36 Guarantee Form
- 00 65 37 Contractor Certification of Subcontractor Claims
- 00 72 00 General Conditions
- 00 73 00 Special Conditions

SPECIFICATIONS

DIVISION 01 -- GENERAL REQUIREMENTS

- 01 21 00 Allowances
- 01 23 00 Alternates

- 01 25 00 Contract Modification Procedures
- 01 29 00 Payment Procedures
- 01 30 40 Post Bid Interview
- 01 30 50 Construction Procedures Manual
- 01 31 00 Project Coordination
- 01 32 00 Acceleration of Work
- 01 33 00 Submittal Procedures
- 01 35 10 Alteration Project Procedures
- 01 42 00 References
- 01 43 80 Work Plan and Milestone Schedule
- 01 45 00 Quality Control
- 01 50 00 Temporary Facilities and Controls
- 01 62 00 Product Options
- 01 63 00 Product Substitution Procedures
- 01 70 00 Cleaning
- 01 72 20 Field Engineering
- 01 73 20 Cutting and Patching
- 01 74 00 Warranties and Guarantees
- 01 77 00 Closeout Procedures
- 01 78 20 Project Record Documents
- 01 78 50 Operating and Maintenance Data
- 01 81 00 Commissioning

DIVISION 02 -- EXISTING CONDITIONS

02 41 00 - Demolition

DIVISION 03 -- CONCRETE

- 03 01 00 Maintenance of Concrete
- 03 10 00 Concrete Forming and Accessories
- 03 20 00 Concrete Reinforcing
- 03 30 00 Cast-in-Place Concrete
- 03 35 11 Concrete Floor Finishes
- 03 35 43 Concrete Floor Polishing(Deleted)

DIVISION 04 -- MASONRY

04 20 01 - Masonry Veneer(Deleted)

DIVISION 05 -- METALS

05 05 19 - Post-Installed Concrete Anchors

Addendum 1

Addendum 1

05 50 00 - Metal Fabrications

DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES

06 10 00 - Rough Carpentry

- 06 20 00 Finish Carpentry
- 06 41 00 Architectural Wood Casework
- 06 83 16 Fiberglass Reinforced Paneling (Deleted)

DIVISION 07 -- THERMAL AND MOISTURE PROTECTION

- 07 01 50.19 Preparation for Re-Roofing
- 07 05 53 Fire and Smoke Assembly Identification
- 07 21 00 Thermal Insulation
- 07 54 00 Thermoplastic Membrane Roofing
- 07 62 00 Sheet Metal Flashing and Trim
- 07 72 00 Roof Accessories
- 07 84 00 Firestopping
- 07 92 00 Joint Sealants

DIVISION 08 -- OPENINGS

- 08 06 71 Door Hardware Schedule
- 08 11 13 Hollow Metal Doors and Frames
- 08 14 16 Flush Wood Doors
- 08 31 00 Access Doors and Panels
- 08 42 29 Automatic Entrances
- 08 43 13 Aluminum-Framed Storefronts
- 08 71 00 Door Hardware
- 08 80 00 Glazing

DIVISION 09 -- FINISHES

- 09 05 61 Common Work Results for Flooring Preparation
- 09 21 16 Gypsum Board Assemblies
- 09 22 36 Lath
- 09 24 00 Cement Plastering
- 09 30 00 Tiling
- 09 51 00 Suspended Acoustical Ceilings
- 09 65 00 Resilient Flooring
- 09 68 13 Tile Carpeting
- 09 84 30 Sound-Absorbing Wall and Ceiling Units
- 09 91 13 Exterior Painting

Addendum 1

Addendum 1

09 91 23 - Interior Painting

DIVISION 10 -- SPECIALTIES

- 10 14 00 Signage
- 10 14 53 Traffic and Parking Signage
- 10 21 13.17 Phenolic Toilet Compartments
- 10 28 00 Toilet Accessories
- 10 44 00 Fire Protection Specialties

DIVISION 12 -- FURNISHINGS

- 12 24 00 Window Shades
- 12 36 00 Countertops

DIVISION 22 -- PLUMBING

- 22 00 50 Common Work Results for Plumbing Systems
- 22 05 13 Common Motor Requirements for Plumbing Equipment
- 22 05 17 Sleeves and Sleeve Seals for Plumbing Piping
- 22 05 18 Escutcheons for Plumbing Piping
- 22 05 19 Meters and Gages for Plumbing Piping
- 22 05 23 General-Duty Valves for Plumbing Piping
- 22 05 29 Hangers and Supports for Plumbing Piping and Equipment
- 22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment
- 22 05 53 Identification for Plumbing Piping and Equipment
- 22 07 19 Plumbing Piping Insulation
- 22 11 16 Domestic Water Piping
- 22 11 19 Domestic Water Piping Specialties
- 22 11 23 Domestic Water Pumps
- 22 13 16 Sanitary Waste and Vent Piping
- 22 13 19 Sanitary Waste Piping Specialties
- 22 13 19.13 Sanitary Drains
- 22 34 00 Fuel-Fired, Domestic-Water Heaters
- 22 42 13.13 Commercial Water Closets
- 22 42 13.16 Commercial Urinals
- 22 42 16.13 Commercial Lavatories
- 22 42 16.16 Commercial Sinks

DIVISION 23 -- HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

- 23 00 50 Common Work Results for HVAC Systems
- 23 05 13 Common Motor Requirements for HVAC Equipment

- 23 05 17 Sleeves and Sleeve Seals for HVAC Piping
- 23 05 18 Escutcheons for HVAC Piping
- 23 05 29 Hangers and Supports for HVAC Piping and Equipment
- 23 05 48 Vibration and Seismic Controls for HVAC
- 23 05 53 Identification for HVAC Piping and Equipment
- 23 05 93 Testing, Adjusting, and Balancing for HVAC
- 23 07 13 Duct Insulation
- 23 07 19 HVAC Piping Insulation
- 23 09 23 Direct-Digital Control System for HVAC
- 23 11 23 Facility Natural-Gas Piping
- 23 23 00 Refrigerant Piping
- 23 31 13 Metal Ducts
- 23 33 00 Air Duct Accessories
- 23 33 46 Flexible Ducts
- 23 34 23 HVAC Power Ventilators
- 23 37 13 Diffusers, Registers, and Grilles
- 23 41 00 Particulate Air Filtration
- 23 51 23 Gas Vents
- 23 74 16 Packaged, Rooftop Air-Conditioning Units
- 23 81 26.13 Variable Refrigerant Flow Split-System Heat-Pumps

DIVISION 26 -- ELECTRICAL

- 26 05 00 Common Work Results for Electrical
- 26 05 01 Basic Electrical Materials and Methods
- 26 05 05 Electrical Demolition
- 26 05 30 Conduit and Wire
- 26 05 48 Sound Control
- 26 09 10 Supplemental Metering and Sub-Metering(Deleted)

Addendum 1

- 26 09 43 Lighting Control Systems
- 26 24 13 Switchboards
- 26 24 16 Branch Circuit Panelboards and Terminal Cabinets
- 26 24 19 Motor Control Equipment
- 26 50 00 Lighting Fixtures
- 26 52 00 Emergency Lighting Central Battery

DIVISION 27 -- COMMUNICATIONS

- 27 08 00 Commissioning of Communications Systems
- 27 20 00 Electronic Network Systems Infrastructure

- 27 41 16 Audio-Video Systems and Equipment
- 27 51 26 Assistive Listening System
- 27 53 13 Clock System

DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY

- 28 10 00 Access Control
- 28 46 20 Fire Alarm

DIVISION 31 -- EARTHWORK

31 23 16.13 - Trenching

DIVISION 32 -- EXTERIOR IMPROVEMENTS

- 32 01 17 Asphalt Pavement Repair
- 32 13 13 Concrete Paving
- 32 17 23.13 Painted Pavement Markings
- 32 17 26 Tactile Warning Surfacing

END OF SECTION

SECTION 08 80 00 GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Insulating glass units.
- **B.** Glazing units.
- **BC**. Glazing compounds and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 Joint Sealants: Sealants for other than glazing purposes.
- B. Section 08 11 13 Hollow Metal Doors and Frames: Glazed lites in doors and borrowed lites.
- C. Section 08 14 16 Flush Wood Doors: Glazed lites in doors.
- D. Section 08 42 29 Automatic Entrances: Glazing furnished as part of door assembly.
- E. Section 08 43 13 Aluminum-Framed Storefronts: Glazing furnished as part of storefront assembly.
- F. Section 10 28 00 Toilet Accessories: Mirrors.

1.03 REFERENCE STANDARDS

- A. 28 CFR 35 Structural Sealant Glazing Systems; 1985 (R2006).
- B. ANSI Z97.1 American National Standard for Safety Glazing Materials Used in Buildings, Safety Performance Specifications and Methods of Test; 2010.
 - 1. Use 2014 as indicated in 2016 CBC Referenced Standards.
- **C.** ASCE 7 Minimum Design Loads for Buildings and Other Structures; 2010, with 2013 Supplements and Errata.
- **D**. ASTM C864 Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers; 2005 (Reapproved 2015).
- **→E**. ASTM C1036 Standard Specification for Flat Glass; 2011.
- EF. ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012.
- EG. ASTM C1376 Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass; 2015.
- H. ASTM E1300 Standard Practice for Determining Load Resistance of Glass in Buildings; 2016.
- I. ASTM E2190 Standard Specification for Insulating Glass Unit Performance and Evaluation; 2010.
- J. GANA (GM) GANA Glazing Manual; 2009.
- GK. GANA (SM) GANA Sealant Manual; 2008.
- L. GANA (LGRM) Laminated Glazing Reference Manual; 2009.

- M. IGMA TM-3000 North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use; 1990 (2004).
- N. NFRC 100 Procedure for Determining Fenestration Product U-factors; 2014.
- O. NFRC 200 Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence; 2014.
- P. NFRC 300 Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems; 2014.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by each of the affected installers.

1.05 SUBMITTALS

- A. See Section 01 33 00 Submittal Procedures, for submittal procedures.
- B. Product Data on **Insulating Glass Unit and** Glazing Unit Glazing Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.
- C. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.
- D. Samples: Submit two samples 8 by 8 inch in size of glass units.
- E. Samples: Submit 4 inch long bead of glazing sealant, color as selected.
- F. Samples: Submit two samples, 12 inch long strip of representative material of adjoining material., color as selected.
- G. Certificate: Certify that products of this section meet or exceed specified requirements.
- H. Manufacturer's Qualification Statement.
- I. Installer's Qualification Statement.
- J. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in District's name and registered with manufacturer.
- K. Maintenance Materials: Furnish the following for District's use in maintenance of project.
 - 1. See Section 01 63 00 Product Substitution Procedures, for additional provisions.

1.06 QUALITY ASSURANCE

- A. Perform Work in accordance with GANA (GM) and), GANA (SM)), GANA (LGRM), and IGMA TM-3000 for glazing installation methods. Maintain one copy on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- C. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience and personnel certified under the National Glass Association's Certified Glass Installer program.
- D. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in this section.

1.07 MOCK-UPS

- A. See Section 01 45 00 Quality Control, for additional mock-up requirements.
- B. Preconstruction Testing: Glazing material, tape sealant, gasket, glazing accessory and glass framing member for adhesion. No fewer than 8 samples of each material.
- C. Locate where directed.
- D. Mock-ups may remain as part of the Work.

1.08 FIELD CONDITIONS

- A. Do not install glazing when ambient temperature is less than 40 degrees F.
- B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

1.09 WARRANTY

- A. See Section 01 77 00 Closeout Procedures, for additional warranty requirements.
- B. Insulating Glass Units: Provide a five (5) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including providing products to replace failed units.
- **DC**. Remedial Provisions: Upon notification of defects, within the warranty period, party providing warranty or guarantee shall replace the glass and glazing at no cost to District.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Glass Fabricators:
 - 1. Glasswerks Inc.: www.glasswerks.com.
 - 2. GlasPro, Inc.: www.glas-pro.com
 - 3. Viracon, Inc: www.viracon.com.
 - 4. Substitutions: Refer to Section 01 63 00 Product Substitution Procedures.
- B. Float Glass Manufacturers:
 - 1. AGC Glass Company North America, Inc: www.us.agc.com.
 - 2. Cardinal Glass Industries: www.cardinalcorp.com.
 - 3. GlasPro, Inc.: www.glas-pro.com
 - 4. Guardian Industries Corp: www.sunguardglass.com.
 - 5. Pilkington North America Inc: www.pilkington.com/na.
 - 6. Vitro Architectural Glass, formerly PPG Industries, Inc: www.vitroglazings.com.
 - 7. Substitutions: Refer to Section 01 63 00 Product Substitution Procedures.

2.02 REGULATORY REQUIREMENTS

A. Comply with the all applicable codes and ordinances, including California Building Code (CBC), Title 24, Part 2, Chapter 24 as amended and adopted by authorities having jurisdiction, and US Consumer Product Safety Commission Standard 28 CFR 35 CI and CII.

- B. Where safety glass is indicated or required, provide glazing materials that conform to ANSI 297.1 and CPSC 28 CFR 35 and are so identified in accordance with CBC Section 2406.3.
- C. Glass Identification:
 - 1. Per CBC Section 2403.1, each light shall bear the manufacturer's label designating the type and thickness of glass.
 - a. When approved by the enforcement agency, labels may be omitted from other than safety glazing materials, provided an affidavit is furnished by the glazing contractor certifying that each light is glazed in accordance with approved plans and specifications.
 - b. Identification of safety glazing material installed in hazardous locations as defined in Section 2406 of this chapter shall be identified by label which will specify the labeler, whether the manufacturer or installer, and state that safety glazing material has been utilized in such installations.
 - c. The label shall be legible and visible from the inside of the building after installation and shall specify that label shall not be removed.
 - d. Tempered glass shall have an etched manufacturer's label.

2.03 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES

- A. Provide type and thickness of exterior glazing assemblies to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
 - **1.** Design Pressure: Calculated in accordance with applicable codes.
 - a. Where glass thicknesses are not indicated, provide thickness based on the wind pressures required by the California Building Code (CBC), Title 24, Part 2, 2403 and 2404, wind pressure shall be assumed to have a one minute duration.
 - b. Upon first application of design wind load for the specified durations, probability of breakage shall not exceed 8/1000 for vertical glass.
 - c. Probability of breakage relative to glass thermal stress shall not exceed 8/1000 for vertical glass.
 - 2. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
 - **3.** Seismic Loads: Design and size glazing components to withstand seismic loads and sway displacement in accordance with the requirements of ASCE **7**.
 - 4. Provide glass edge support system sufficiently stiff to limit the lateral deflection of supported glass edges to less than 1/175 of their lengths under specified design load.
 - 5. Glass thicknesses listed are minimum.
- B. Vapor Retarder and Air Barrier Seals: Provide completed assemblies that maintain continuity of building enclosure vapor retarder and air barrier.
 - **1.** In conjunction with vapor retarder and joint sealer materials described in other sections.
 - a. Refer to Section 07 25 00.
 - 2. To utilize the inner pane of multiple pane insulating glass units for the continuity of the vapor retarder and air barrier seal.

- 3. To maintain a continuous vapor retarder and air barrier throughout the glazed assembly from glass pane to heel bead of glazing sealant.
- C. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
 - 1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
 - 2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
 - 3. Solar Optical Properties: Comply with NFRC 300 test method.

2.04 GLASS MATERIALS

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.
 - 1. Annealed Type: ASTM C1036, Type I Transparent Flat, Class 1 Clear, Quality Q3.
 - **21**. Kind HS Heat-Strengthened Type: Complies with ASTM C1048.
 - **32**. Kind FT Fully Tempered Type: Complies with ASTM C1048.
 - 43. Fully Tempered Safety Glass: Complies with ANSI Z97.1 or 28 CFR 35 criteria for safety glazing used in hazardous locations.
 - a. Where fully tempered is indicated, provide glass that has been tempered by the tong-less horizontal method.
 - 54. Impact Resistant Safety Glass: Complies with ANSI Z97.1 and 28 CFR 35 criteria; Class A/Category II.
 - 2.045. Thicknesses: As indicated; provide greater thickness as required for exterior glazing wind load design.

2.05 INSULATING GLASS UNITS

- A. Manufacturers:
 - 1. Any of the manufacturers specified for float glass.
 - 2. Fabricator certified by glass manufacturer for type of glass, coating, and treatment involved and capable of providing specified warranty.
 - 3. AGC Glass North America, Inc: www.agcglass.com/#sle.
 - 4. Cardinal Glass Industries: www.cardinalcorp.com.
 - 5. Glasswerks: glasswerks.com.
 - 6. Guardian Industries Corp: www.sunguardglass.com.
 - 7. Pilkington North America Inc: www.pilkington.com/na.
 - 8. Viracon, Apogee Enterprises, Inc: www.viracon.com.
 - 9. Vitro Architectural Glass, formerly PPG Industries, Inc: www.vitroglazings.com/#sle.
 - **10.** Substitutions: Refer to Section **01 63 00** Product Substitution Procedures.
- B. Insulating Glass Units: Types as indicated.
 - 1. Durability: Certified by an independent testing agency to comply with ASTM E2190.

- 2. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
- 3. Metal Edge Spacers: Aluminum, mitered and spigoted corners.
- 4. Spacer Color: Black.
- 5. Edge Seal:
 - a. Single-Sealed System: Provide silicone, polysulfide, or polyurethane sealant as seal applied around perimeter.
- 6. Color: Black.
- 7. Purge interpane space with dry air, hermetically sealed.

2.06 BASIS OF DESIGN - INSULATING GLASS UNITS

- A. Basis of Design Insulating Glass Units: Vision glazing, with Low-E coating.
 - 1. Applications: Exterior insulating glass glazing unless otherwise indicated.
 - 2. Space between lites filled with air.
 - 3. Total Thickness: 1 inch.
 - 4. Thermal Transmittance (U-Value), Winter Center of Glass: 0.28, nominal.
 - 5. Visible Light Transmittance (VLT): 64 percent, nominal.
 - 6. Solar Heat Gain Coefficient (SHGC): 0.27, nominal.
 - 7. Visible Light Reflectance, Outside: 12 percent, nominal.
 - 8. Glazing Method: Dry glazing method, gasket glazing.
 - 9. Durability: Certified by an independent testing agency to comply with ASTM E2190.
 - 10. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
 - 11. Metal Edge Spacers: Aluminum, bent and soldered corners.
 - 12. Spacer Color: Black.
 - 13. Edge Seal:
 - a. Dual-Sealed System: Provide polyisobutylene sealant as primary seal applied between spacer and glass panes, and silicone, polysulfide, or polyurethane sealant as secondary seal applied around perimeter.
 - 14. Color: Black.
 - 15. Purge interpane space with dry air, hermetically sealed.
- B. G-1 Basis of Design Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.
 - 1. Outboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
 - a. Low-E Coating: Vitro Architectural Glass (formerly PPG Glass) Solarban 70XL on #2 surface.
 - b. Glass: Clear.
 - 2. Inboard Lite: Fully tempered float glass, 1/4 inch thick.

- a. Coating: No coating on inboard lite.
- b. Glass: Clear.
- C. G-2 Basis of Design Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.
 - 1. Outboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
 - a. Low-E Coating: Vitro Architectural Glass (formerly PPG Glass) Solarban 70XL on #2 surface.
 - b. Glass: Clear.
 - 2. Inboard Lite: Fully tempered float glass, 1/4 inch thick.
 - a. Coating: Acid etch on inboard lite, number 3 surface.
 - b. Glass: Clear.
- D. Other Manufacturers: Provide either the product identified as "Basis of Design" or an equivalent product of another acceptable manufacturer.
- E. Substitution Procedures: See Section 01 63 00 Product Substitution Procedures.
 - a. For any product not identified as "Basis of Design", submit information as specified for substitutions.

2.07 GLAZING UNITS

- A. Monolithic Interior Vision Glazing:
 - 1. Applications: Interior glazing unless otherwise indicated.
 - 2. Glass Type: Annealed Fully tempered float glass.
 - 3. Tint: Clear.
 - 4. Thickness: 1/4 inch, nominal.
 - 5. Glazing Method: Dry glazing method, gasket glazing.
- B. Monolithic Safety Glazing: Non-fire-rated.
 - 1. Applications:
 - a. Glazed lites in doors, except fire doors.
 - b. Glazed sidelights to doors, except in fire-rated walls and partitions.
 - c. Other locations required by applicable federal, state, and local codes and regulations.
 - d. Other locations indicated on drawings.
 - 2. Glass Type: Fully tempered safety glass as specified.
 - 3. Tint: Clear.
 - 4. Thickness: 1/4 inch, nominal.
 - 5. Glazing Method: Dry glazing method, gasket glazing.

2.0508 ACCESSORIES

A. Setting Blocks: Silicone, with 80 to 90 Shore A durometer hardness; ASTM C864 Option II. Length of 0.1 inch for each square foot of glazing or minimum 4 inch by width of glazing rabbet space minus 1/16 inch by height to suit glazing method and pane weight and area.

- B. Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness; ASTM C864 Option II. Minimum 3 inch long by one half the height of the glazing stop by thickness to suit application, self adhesive on one face.
- C. Glazing Tape, Back Bedding Mastic Type: Preformed, butyl-based, 100 percent solids compound with integral resilient spacer rod applicable to application indicated; 5 to 30 cured Shore A durometer hardness; coiled on release paper; black color.
 - 1. Width: As required for application.
 - 2. Thickness: As required for application.
- D. Glazing Gaskets: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option II; color black.
- E. Glazing Clips: Manufacturer's standard type.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
- B. Verify that the minimum required face and edge clearances are being provided.
- C. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.
- D. Verify that sealing between joints of glass framing members has been completed effectively.
- E. Proceed with glazing system installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

3.03 INSTALLATION, GENERAL

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.
- B. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- C. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- D. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.
- E. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, etc.

3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

- A. Application Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.
- B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.
- C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.
- D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

3.05 FIELD QUALITY CONTROL

- A. See Section 01 45 00 Quality Control, for additional requirements.
- B. Glass and Glazing product manufacturers to provide field surveillance of the installation of their products.
- C. Monitor and report installation procedures and unacceptable conditions.

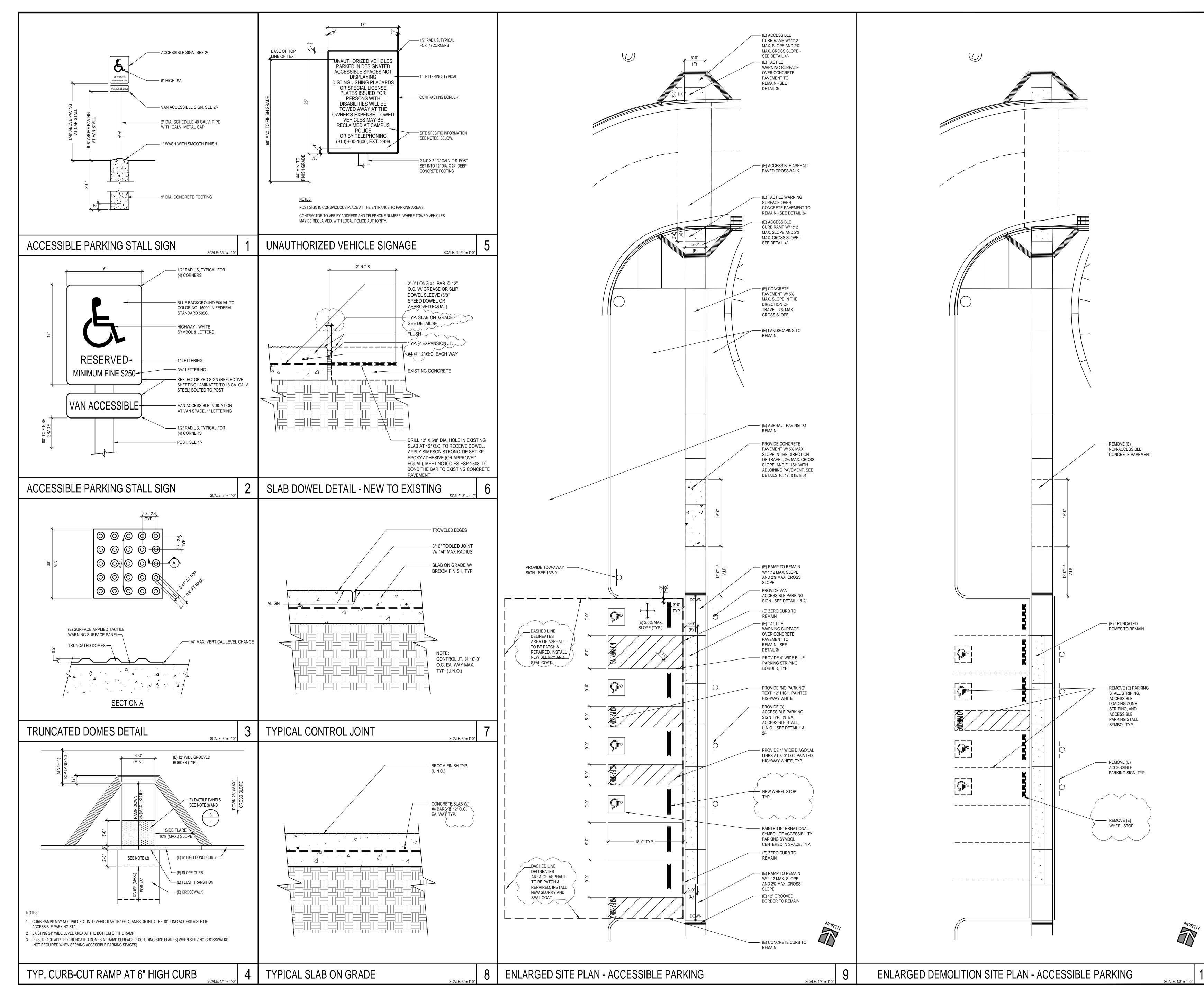
3.06 CLEANING

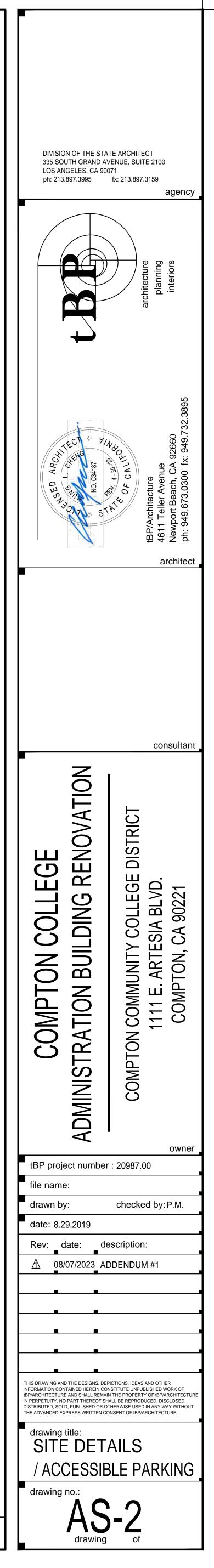
- A. See Section 01 74 19 Construction Waste Management and Disposal, for additional requirements.
- B. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.
- C. Remove non-permanent labels immediately after glazing installation is complete.
- D. Clean glass and adjacent surfaces after sealants are fully cured.
- E. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

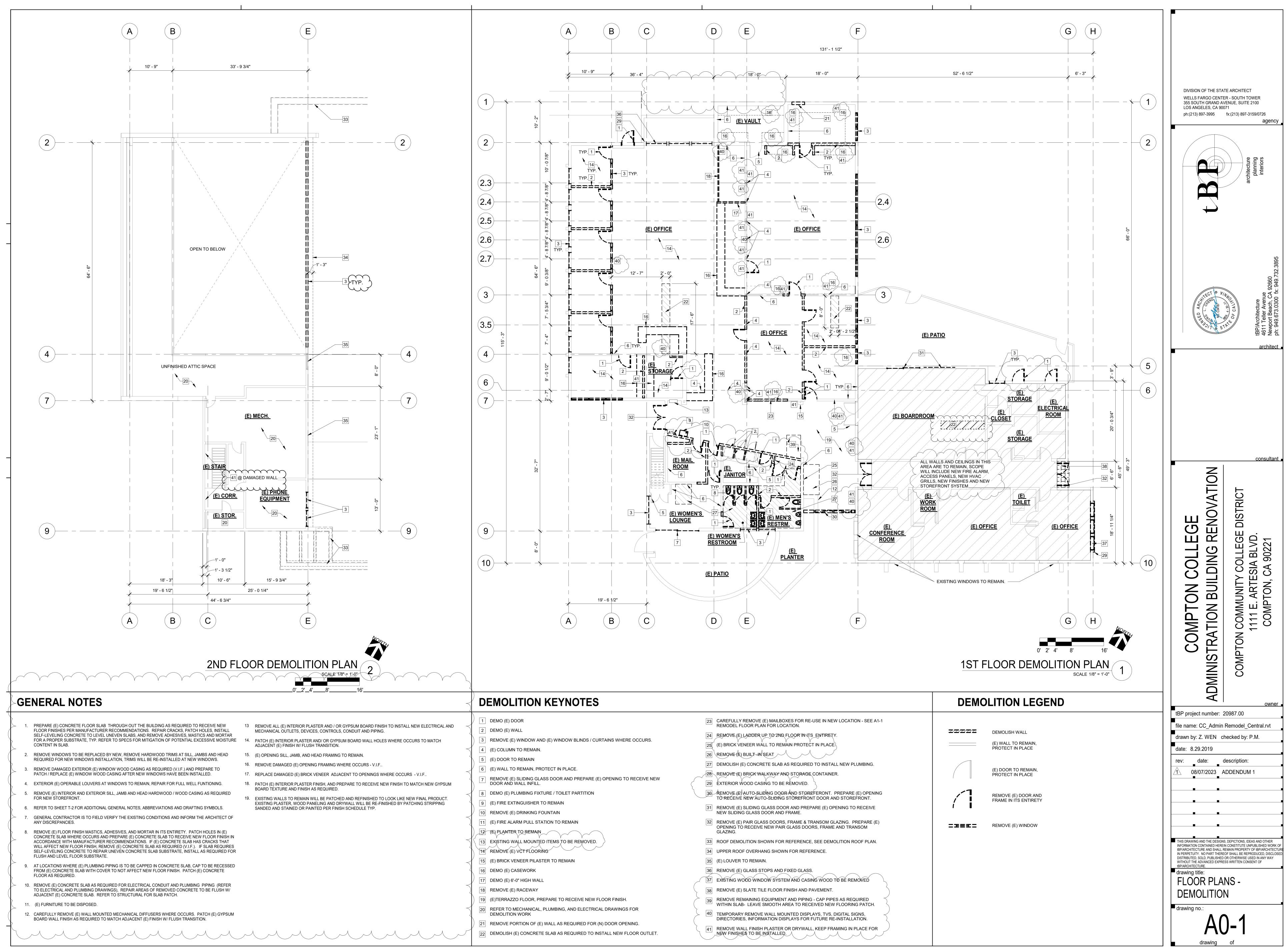
3.0607 PROTECTION

- A. After installation, mark pane with an 'X' by using removable plastic tape or paste; **do not mark heat absorbing or reflective glass units**.
- B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

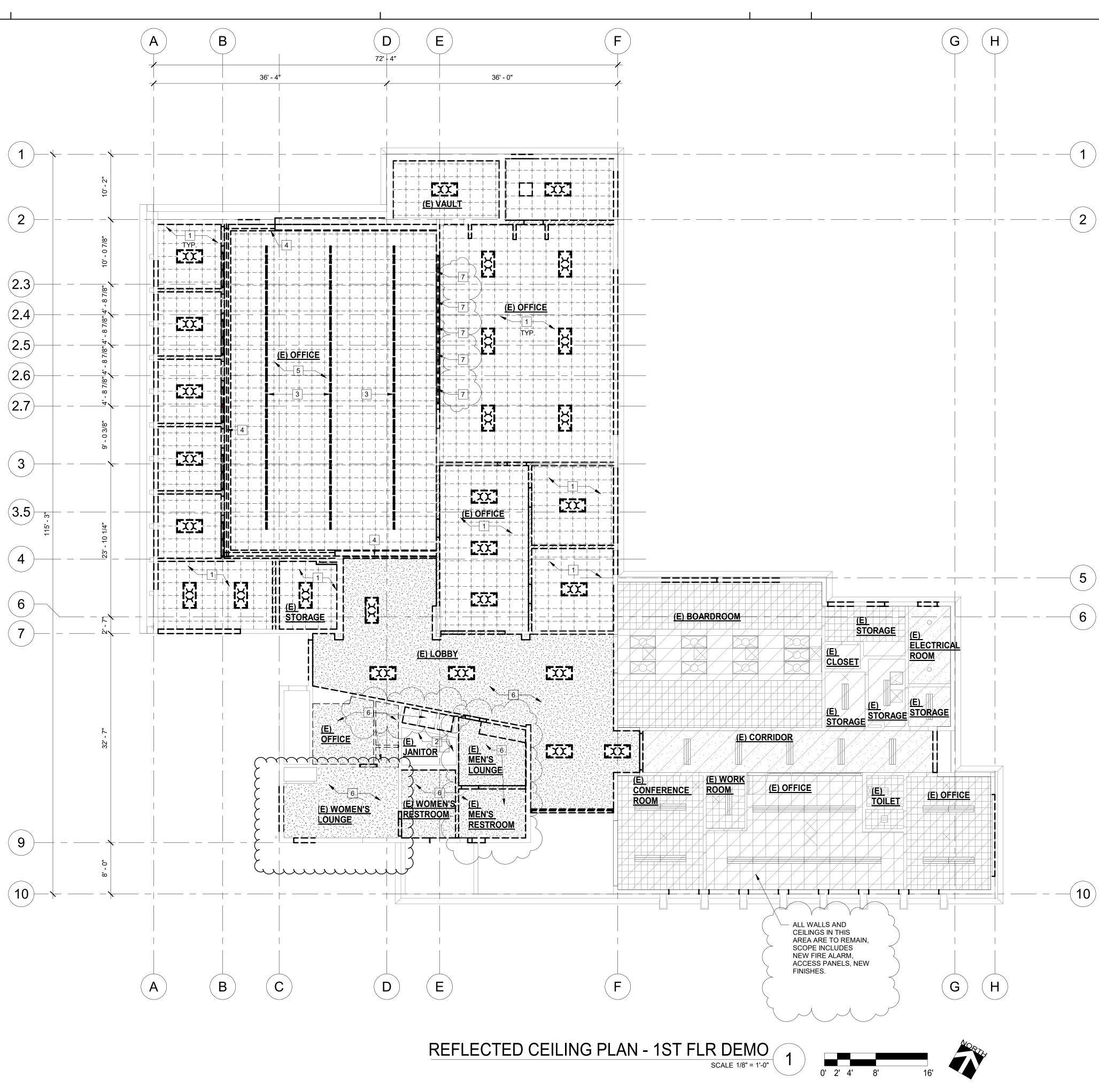
END OF SECTION





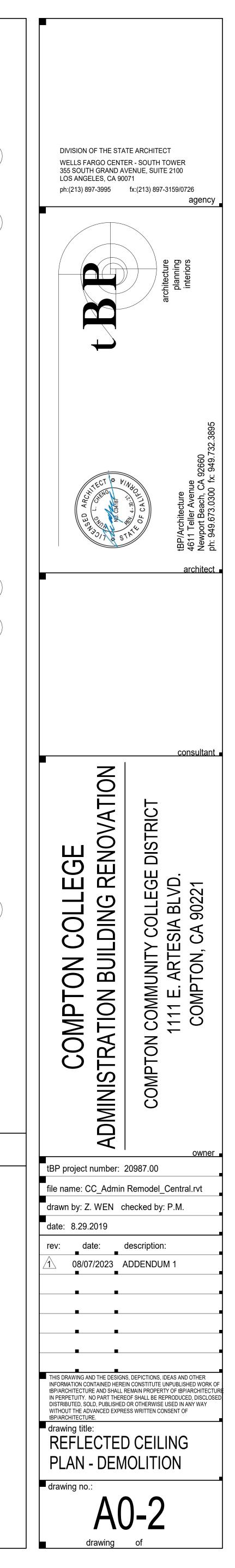


		I
_		
_		
_	-	

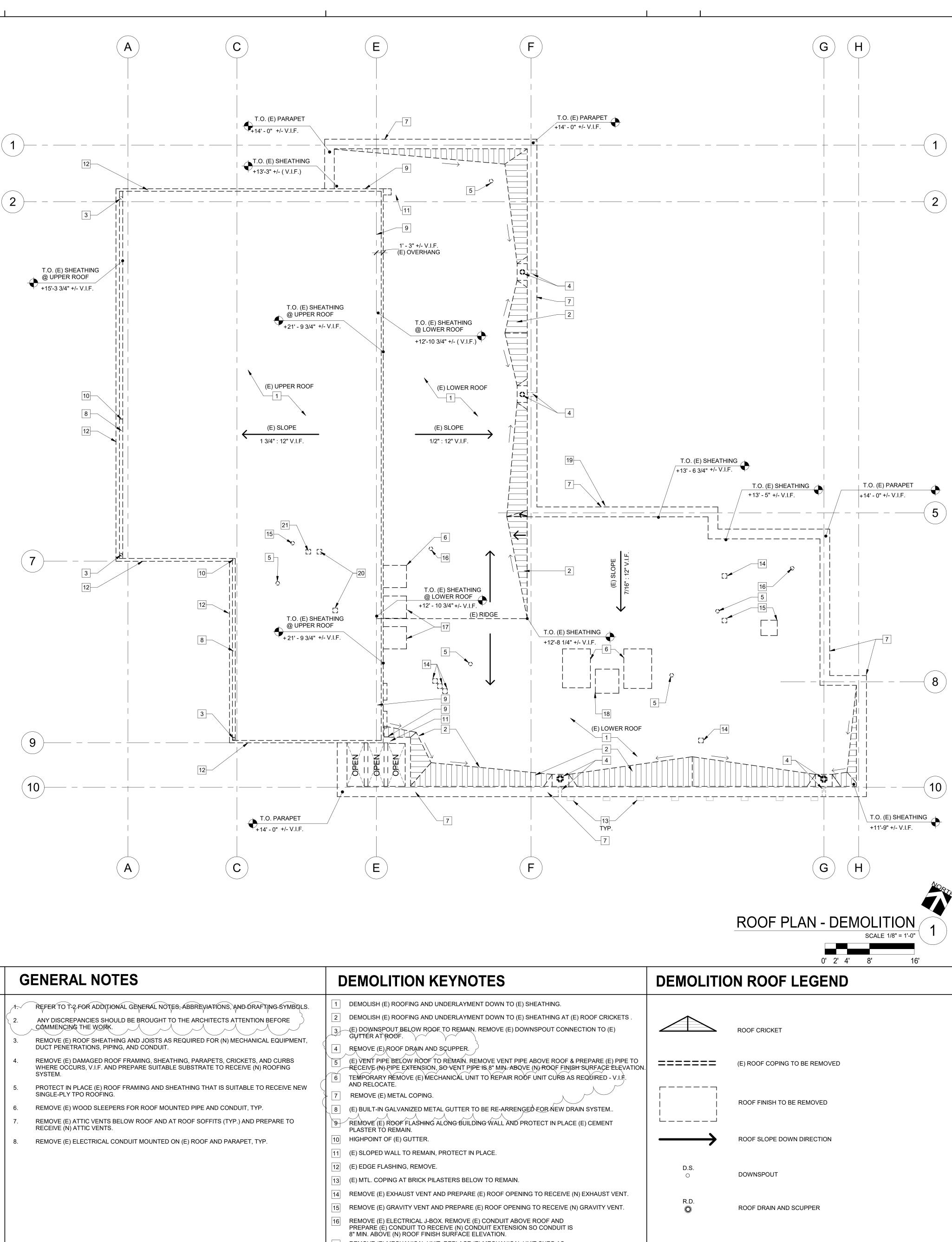


-	
GE	NERAL NOTES
1.	REFER TO ELECTRICAL AND MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.

DEMO KEYNOTES	LEGE	IND
1 DEMOLISH(E) CEILING IN ITS ENTIRITY REMOVE LIGHTS AND INSULATION 2 (E) CEILING TO REMAIN 3 REMOVE (E) LIGHT FIXTURE 4 DEMOLISH(E) SLOPED CEILING IN ITS ENTIRITY REMOVE SUSPENDED LIGHTS AND INSULATION 5 DEMOLISH(E) FLASTER FINISH CEILING IN ITS ENTIRETY 7 REMOVE INTERIOR WINDOWS		 (E) TILE CEILING TO BE DEMOLISHED (E) 12"X12" MINERAL TILE O/ GYP. BD. TO REMAIN (E) 24"X24" MINERAL TILE O/ GYP. BD. TO REMAIN (E) SUPENDED 2' x 4' ACOUSTIC CEILING TILE TO REMAIN (E) GYPSUM BOARD CEILING TO REMAIN (E) WALL TO BE DEMOLISHED (E) WALL TO REMAIN REMOVE (E) LIGHT FIXTURE (E) LIGHT FIXTURE TO REMAIN (E) LIGHT FIXTURE TO REMAIN (E) MECHANICAL REGISTER TO REMAIN (E) CEILING ACCESS PANEL TO REMAIN



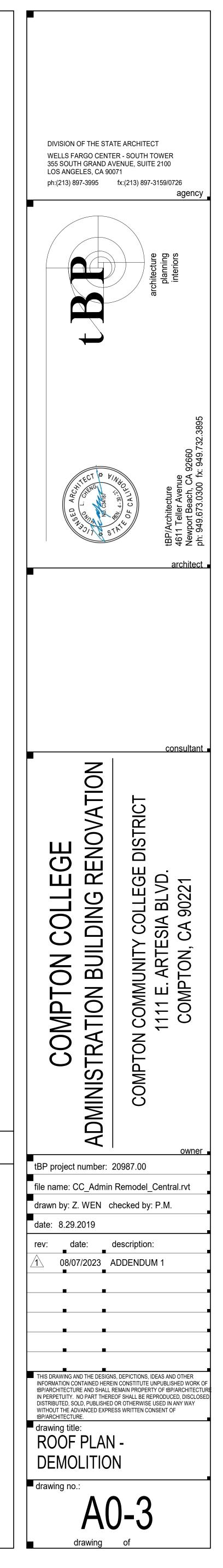
		I
	_	
_		

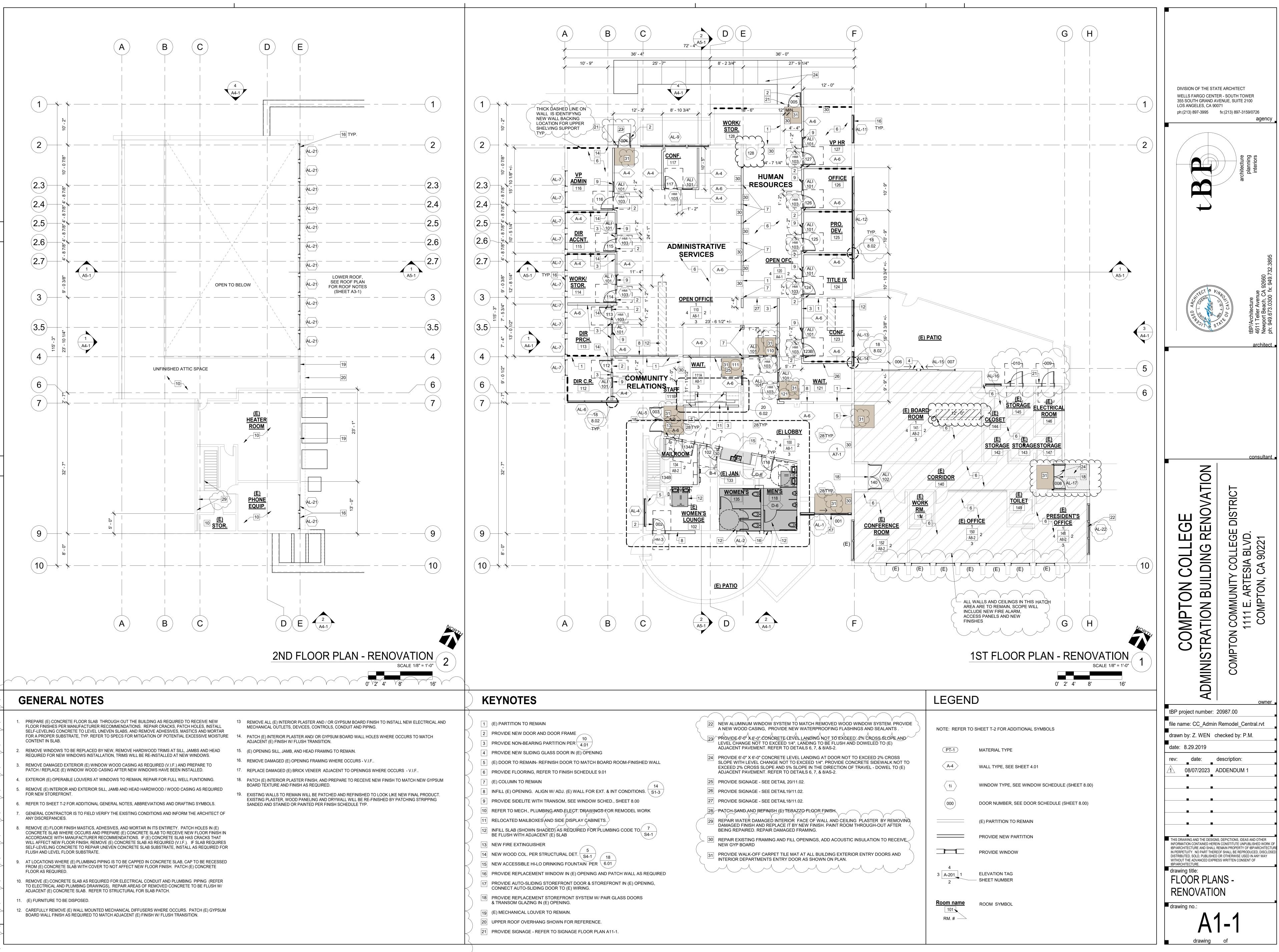


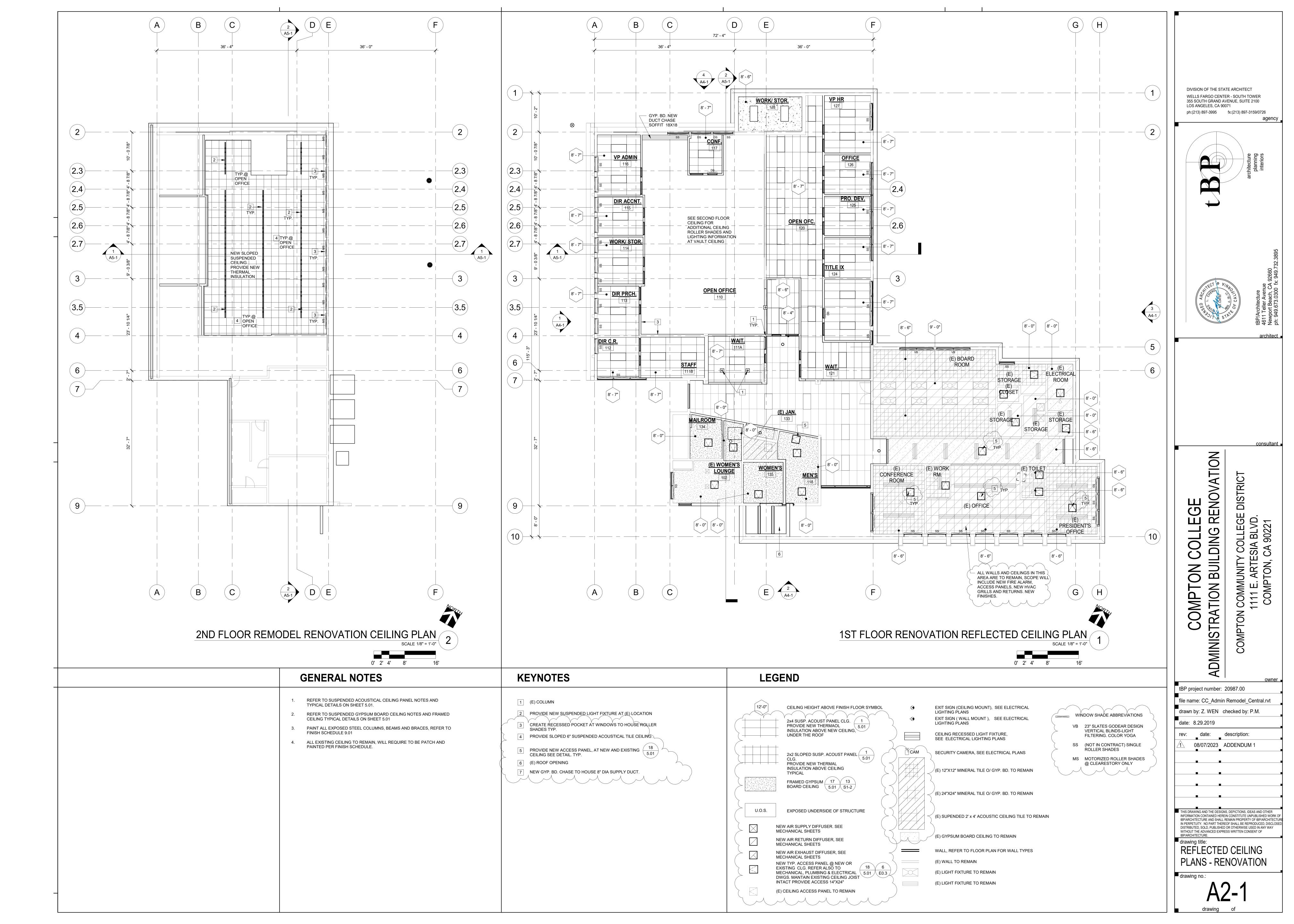
GENERAL NOTES	DEMOLITION KEYNO
 REFER TO T-2 FOR ADDITIONAL GENERAL NOTES, ABBREWIATION ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ARCHITECT: COMMENCING THE WORK. REMOVE (E) ROOF SHEATHING AND JOISTS AS REQUIRED FOR (N DUCT PENETRATIONS, PIPING, AND CONDUIT. REMOVE (E) DAMAGED ROOF FRAMING, SHEATHING, PARAPETS, WHERE OCCURS, V.I.F. AND PREPARE SUITABLE SUBSTRATE TO SYSTEM. PROTECT IN PLACE (E) ROOF FRAMING AND SHEATHING THAT IS SINGLE-PLY TPO ROOFING. REMOVE (E) WOOD SLEEPERS FOR ROOF MOUNTED PIPE AND CO RECEIVE (N) ATTIC VENTS BELOW ROOF AND AT ROOF SOFFITS (RECEIVE (N) ATTIC VENTS. REMOVE (E) ELECTRICAL CONDUIT MOUNTED ON (E) ROOF AND F 	 2 DEMOLISH (E) ROOFING AND UNDERLAYME 3 (E) DOWNSPOUT BELOW ROOF TO REMAIN GUTTER AT ROOF. 3 (E) DOWNSPOUT BELOW ROOF TO REMAIN GUTTER AT ROOF. 3 (E) DOWNSPOUT BELOW ROOF TO REMAIN GUTTER AT ROOF. 4 REMOVE (E) ROOF DRAIN AND SCUPPER. 5 (E) VENT PIPE BELOW ROOF TO REMAIN. R RECEIVE (N) ROOFING 5 (E) VENT PIPE BELOW ROOF TO REMAIN. R RECEIVE (N) PIPE EXTENSION, SO VENT PIP 6 TEMPORARY REMOVE (E) MECHANICAL UN AND RELOCATE. 7 REMOVE (E) METAL COPING. 8 (E) BUILT-IN GALVANIZED METAL GUTTER T 9 REMOVE (E) ROOF FLASHING ALONG BUILD PLASTER TO REMAIN.

IECHANICAL UNIT. REPL	_ACE (E) M EC	HANICALŁ	INIT CURB A	S.
.l.F		$\gamma \gamma \gamma$	$\gamma \gamma \gamma$	7
IECHANICAL EXHAUST F	AN. REPLAC	E (E) MECH	IANICAL UNI	Т

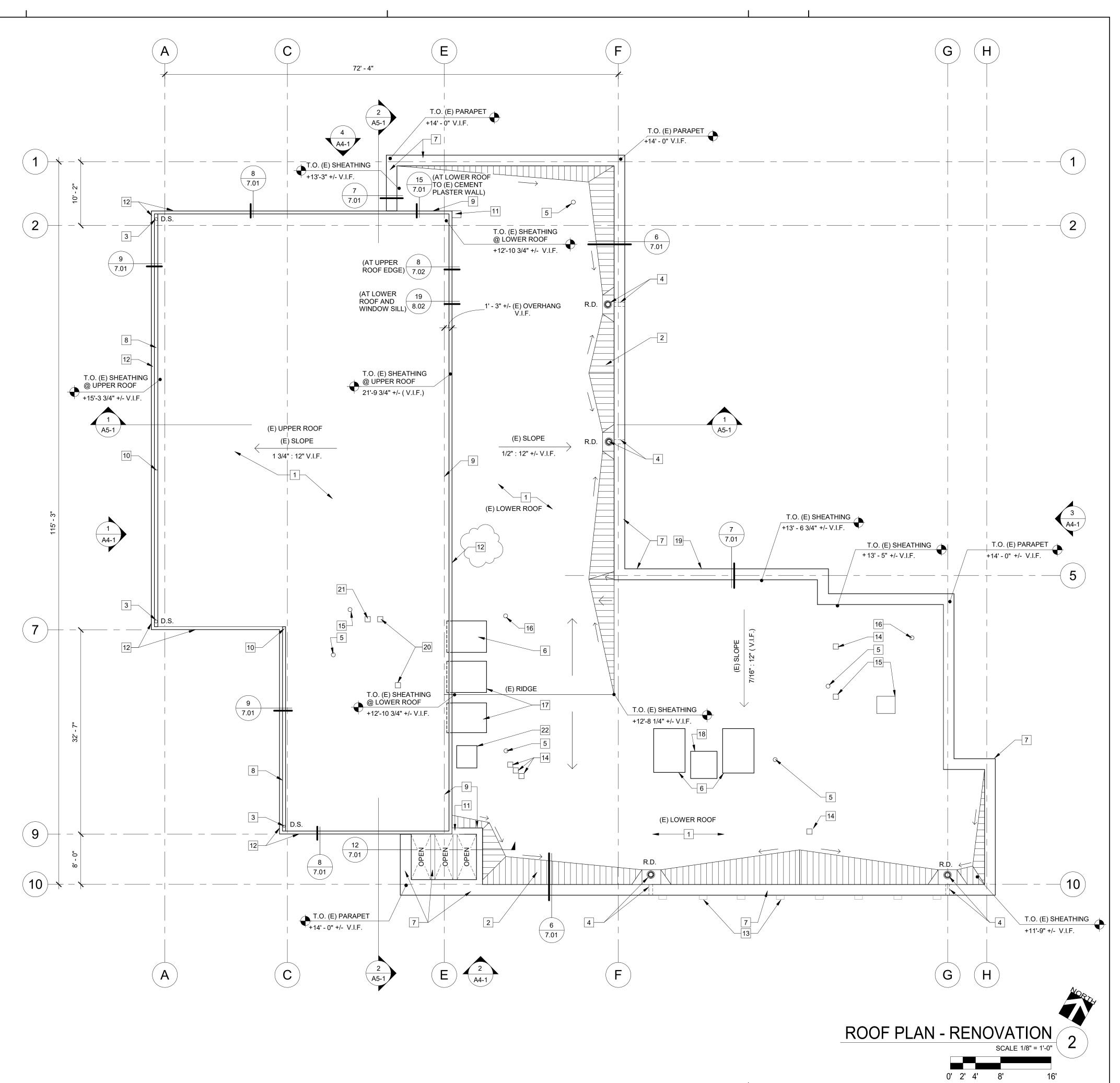
JIRED - V.I.F.. OLE MOUNTED LIGHT FIXTURE.



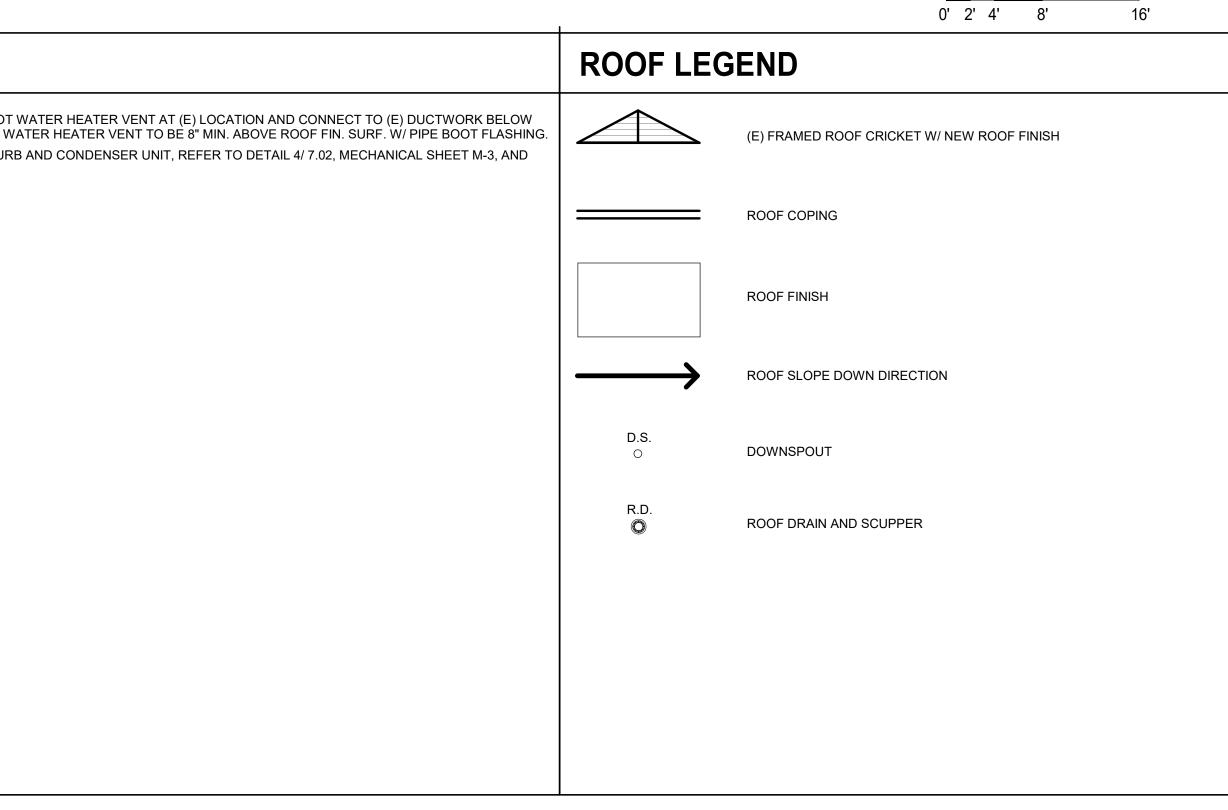


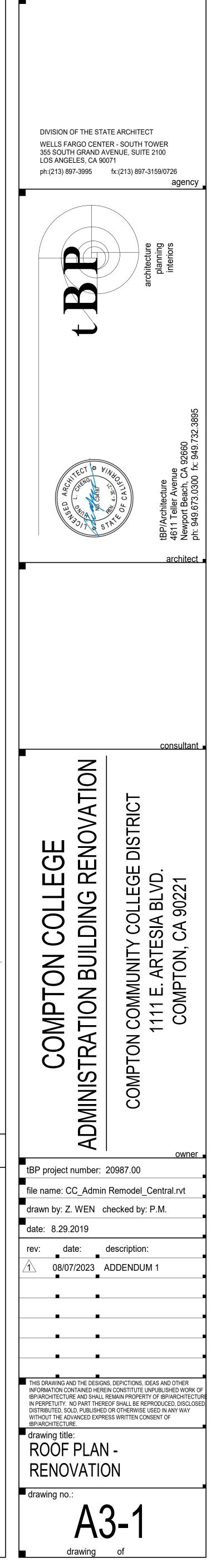


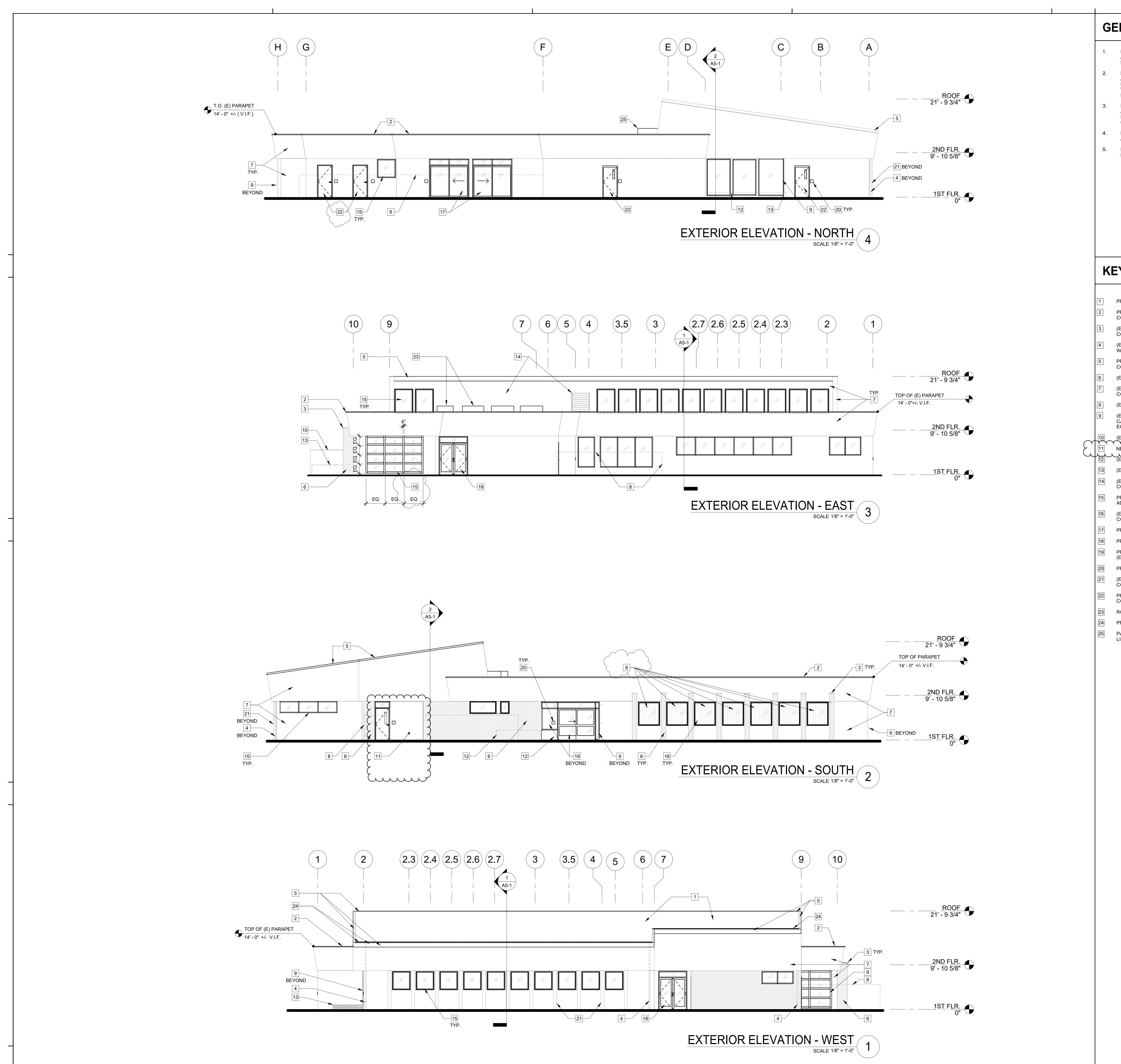
	G	ENERAL NOTES
	1.	PROVIDE ELECTRICAL CONDUIT MOUNTED
	2.	PROVIDE SHEATHING, ROOF FRAMING AND MANUFACTURER'S WARRANTY REQUIREM
	3.	PROVIDE DURABLOCK (OR APPROVED EQU CONDUIT, TYP. SEE DETAIL 9/7.02
	4.	PROVIDE ATTIC VENTS BELOW ROOF AND
	5.	PROVIDE REINFORCED MEMBRANE ON ALL
	6.	FOR TYPICAL CLEARANCES FOR MULTIPLE
	7.	FOR TYPICAL PIPE PENETRATION, SEE DET
	8.	FOR TYPICAL VENT PIPE, SEE DETAIL 18/7.
	9.	FOR TYPICAL DUCT PENETRATION CURB, S
	10.	FOR TYPICAL EXHAUST FAN CURB, SEE DE
_		



	KEYNOTES
D ON (E) ROOF AND PARAPET WHERE REMOVED, TYP.	1 PROVIDE SINGLE PLY CLASS 'A' ROOF SYSTEM O/ (E) ROOF SHEATHING, SEE DETAIL 1 7.01 2 21 PROVIDE HOT W
ND CURBS AS REQUIRED (V.I.F.) TO ACHIEVE ROOFING MENTS.	2 PROVIDE SINGLE RLY CLASS 'A' ROOF SYSTEM Of (E) CRICKET SHEATHING, SEE DETAIL 2 ROOF. HOT WAY 2 PROVIDE SINGLE RLY CLASS 'A' ROOF SYSTEM Of (E) CRICKET SHEATHING, SEE DETAIL 7.01 22 PROVIDE CURE
QUAL) SLEEPERS FOR ROOF MOUNTED PIPE AND	3 PROVIDE NEW CONNECTION TO EXISTING DOWNSPOTIT. 4 PROVIDE ROOF DRAIN AND SCUPPER, SEE DETAIL 7.01 7.02
D AT ROOF SOFFITS, TYP.	5 PROVIDE VENT PIPE 8" MIN. ABOVE ROOF FIN. SURF. W/ PIPE 5 BOOT FLASHING AND CONNECT TO (E) VENT PIPE BELOW ROOF
LL PARAPETS, SEE DETAIL 3/ 7.01.	6 PROVIDE CURB AND REINSTALL (E) MECHANICAL UNIT, REFER TO SHEET MD-3 & DETAIL 3
E PIPES, SEE DETAIL 16/ 7.01.	7 PROVIDE METAL COPING. $\begin{pmatrix} 7\\ 7.02 \end{pmatrix}$
ETAIL 17/ 7.01.	8 PROVIDE BUILT-IN GALVANIZED METAL GUTTER
7.01.	9 PROVIDE ROOF FLASHING ALONG BUILDING WALL.
SEE DETAIL 19/ 7.01.	10 HIGHPOINT OF GUTTER.
DETAIL 20/ 7.01.	11 (E) SLOPED WALL TO REMAIN.
	12 PROVIDE EDGE FLASHING. $\begin{pmatrix} 7\\ 7.01 \end{pmatrix}$
	13 (E) METAL COPING AT BRICK PILASTERS BELOW TO REMAIN.
	14 PROVIDE EXHAUST VENT AT (E) LOCATION AND CONNECT TO (E) DUCTWORK BELOW ROOF (EXHAUST VENT TO BE 8" MIN. ABOVE ROOF FINISH SURFACE WITH PIPE BOOT FLASHING), REFER ALSO TO MECHANICAL SHEET M-3.
	15 PROVIDE GRAVITY VENT AT (E) LOCATION AND CONNECT TO (E) DUCTWORK BELOW ROOF (GRAVITY VENT TO BE 8" MIN. ABOVE ROOF FIN. SURFACE WITH PIPE BOOT FLASHING).
	16 PROVIDE ROOF MOUNTED ELECTRICAL J-BOX AT (E) LOCATION AND CONNECT TO (E) WIRING BELOW ROOF AND FIXTURES / DEVICES AT PARAPET (J-BOX TO BE 8" MIN. ABOVE ROOF FINISH SURFACE WITH PIPE BOOT FLASHING).
	17 PROVIDE CURB AND MECHANICAL UNIT, REFER TO DETAIL 3/ 7.02 AND MECHANICAL SHEET M-3.
	18 RE-INSTALL (E) MECHANICAL EXHAUST FAN.
	19 RE-INSTALL (E) POLE-MOUNTED LIGHT FIXTURE AT (E) LOCATION.
	PROVIDE FURNACE VENTS AT (E) LOCATION AND CONNECT TO (E) DUCTWORK BELOW ROOF. FURNACE VENT TO BE 8" MIN. ABOVE ROOF FIN. SURFACE W/ PIPE BOOT FLASHING.







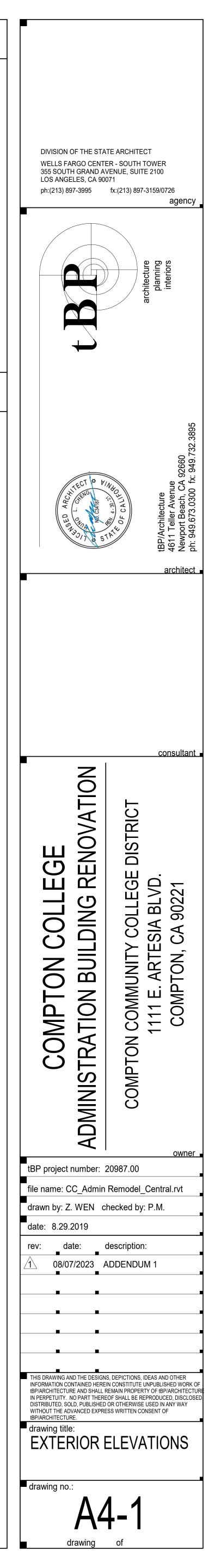
GENERAL NOTES	
---------------	--

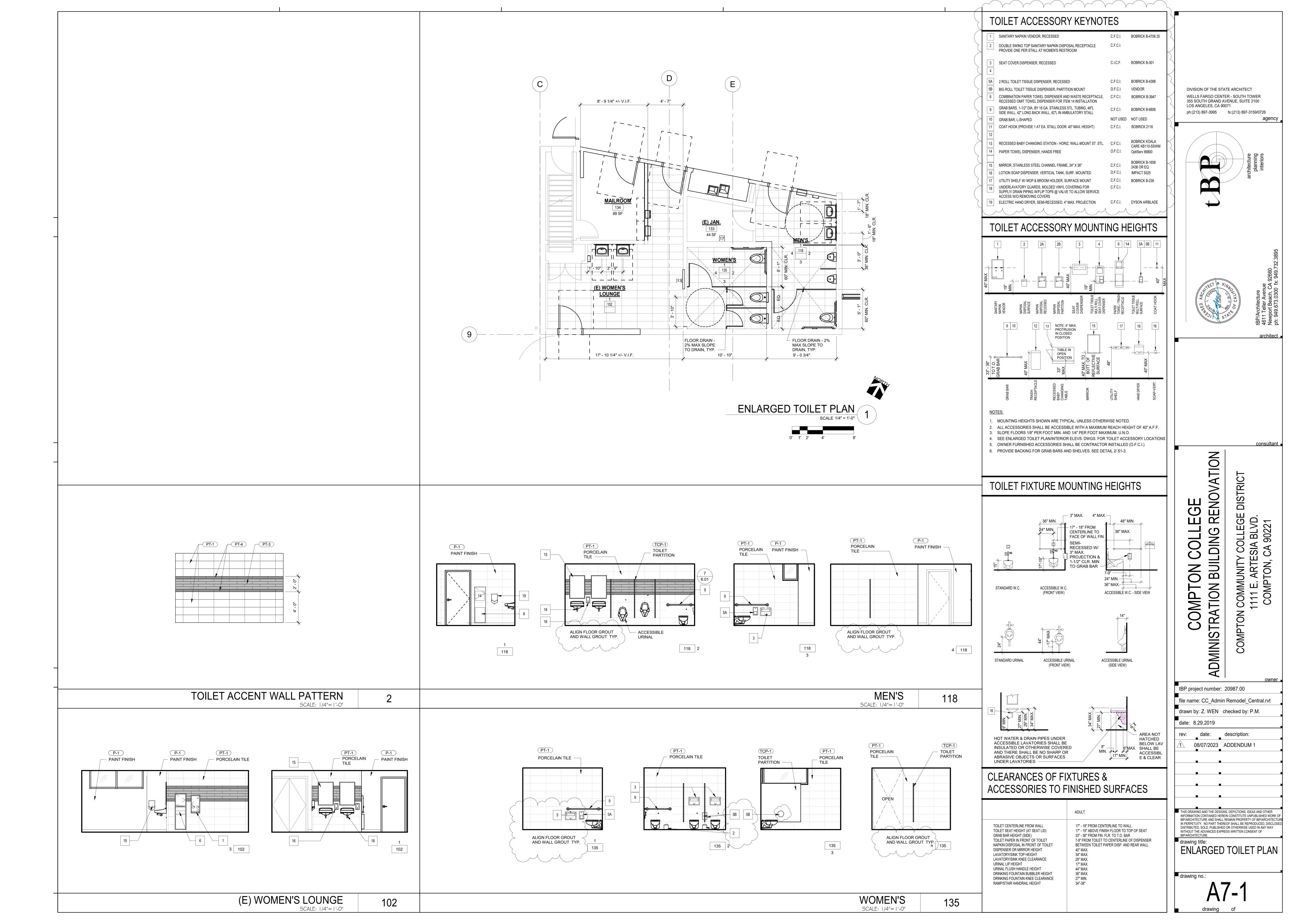
REFER TO DEMOLITION AND RENOVATION FLOOR PLANS (AO-1 AND A1—1) AND ROOF PLANS (AO—3 AND A3—1) F OR ADDITIONAL INFORMATION REGARDING WINDOW AND ROOF REPLACEM ENT SCOPE.
PREPARE (E/ EXTERIOR CEMENT PLASTER TO RECEIVE PAIN7 IN ACCORDANCE VVITH MANUFACTURER RECOMMENDAT IONS. PATCH (E)

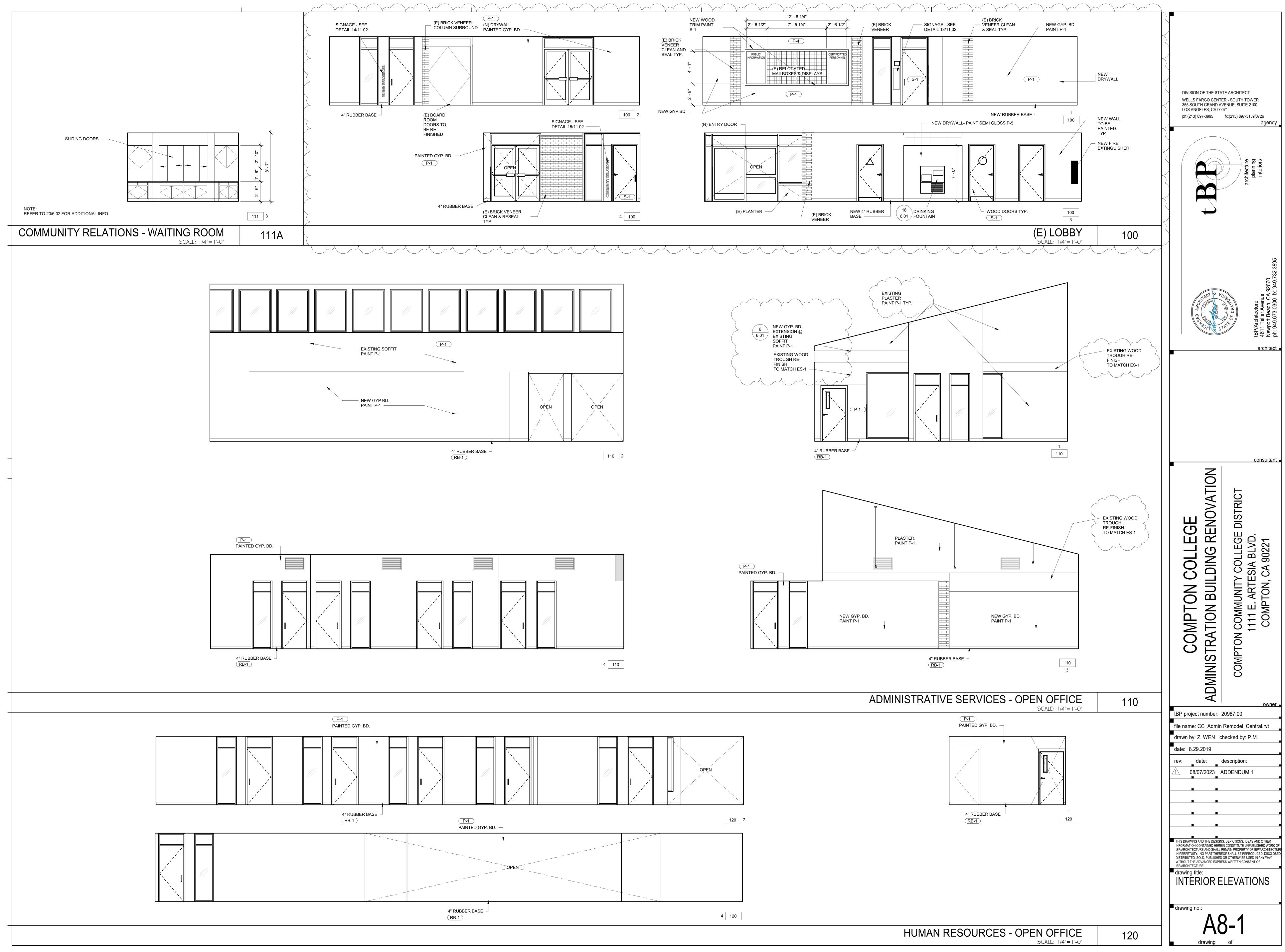
- EXTERIOR CEMENT PLASTER CRACKS AND/ OR HOLES WHERE OCCURS V.I.F. , TO MATCH (E) TEXTURE WITH SEAMLESS TRANSIT ION TO (E) EXTERIOR CEMEMT PLASTER FINISH. PREPARE (E) WOOD WINDOW CASINGS TRIM TO RECEIVE PAINT IN
- PREPARE (E) WOOD WINDOW CASINGS TRIM TO RECEIVE PAINT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. REPLACE DAMAGED (E) WOOD WINDOW CASE NG/ TRIM TO MATCH (E) WHERE OCCURS, V.1.F.
 PREPARE (E) WALL AND WINDOW METAL LOUV (ECC. ECCENTER CONTROL OF C
- 4. PREPARE (E) WALL AND WINDOW METAL LOUVERS TO RECEIVE PAINT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS
- 5. PREPARE (E) DOOR AND FRAME TO RECEIVE PAINT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS

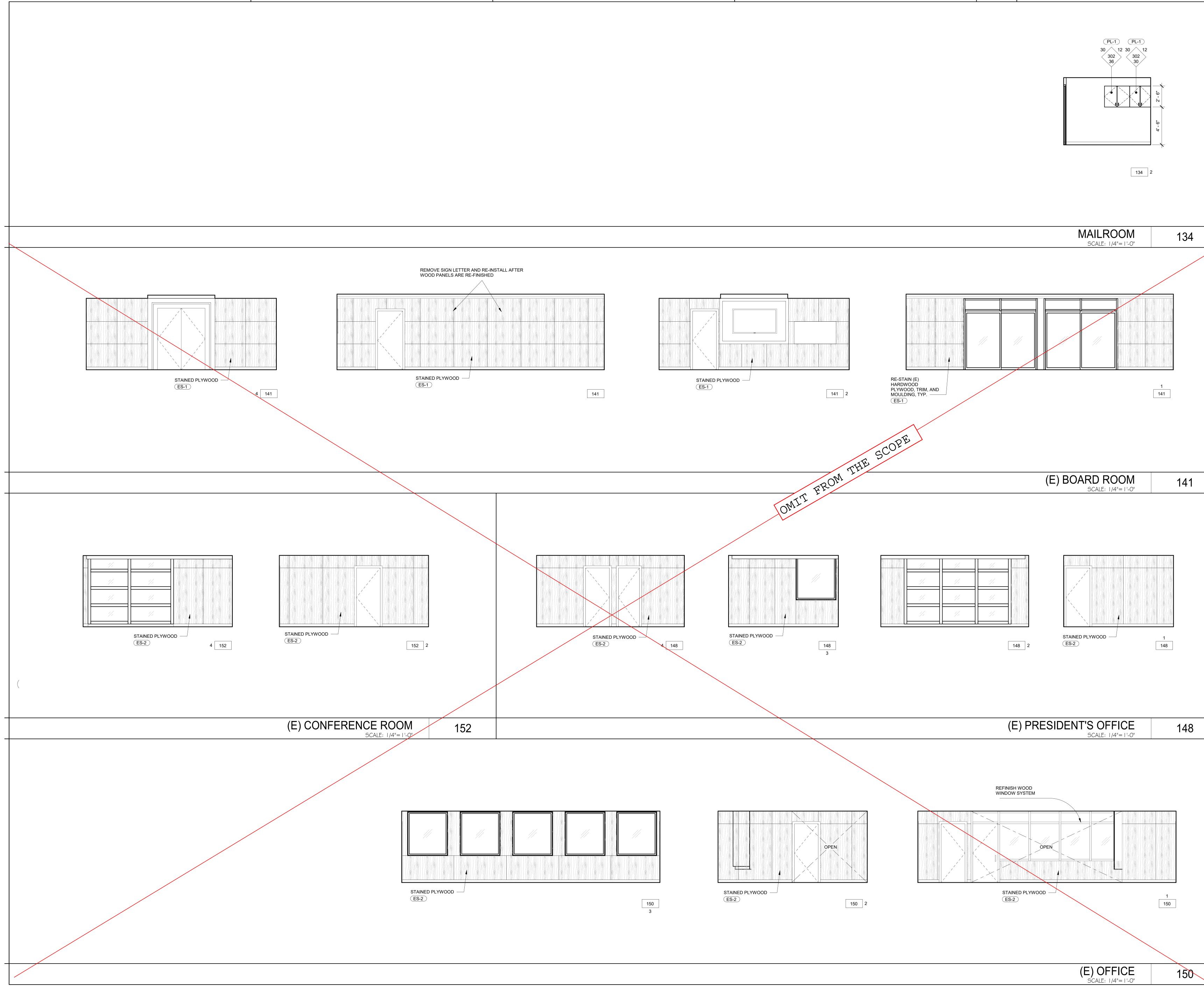
KEYNOTES

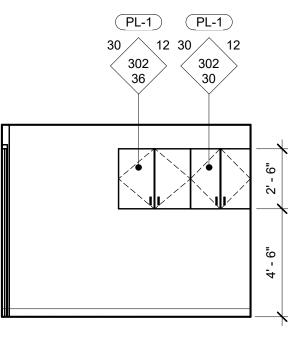
1	PROVIDE SINGLE PLY CLASS 'A' ROOF SYSTEM O/ (E) SHEATHING.
2	PROVIDE METAL COPING PER ROOF PLAN, SHEET A3-1.
3	COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL. (E) METAL COPING AT BRICK PILASTERS TO REMAIN. PAINT (E) COPING. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
4	(E) DOWNSPOUT TO REMAIN. PAINT TO MATCH EXT. CEMENT PLASTER WALL.
5	PROVIDE EDGE FLASHING PER ROOF PLAN, SHEET A3-1. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
6	(E) BRICK FINISH TO REMAIN.
7	(E) CEM. PLASTER TO REMAIN. PAINT (E) CEMENT PLASTER. COLOR: DUNN EDWARDS "DE6226 FOGGY DAY" OR APPROVED EQUAL.
8	(E) SITE WALL SHOWN DASHED.
9	(E) WINDOW & WOOD WINDOW CASING TO REMAIN. PAINT (E) WINDOW CASING. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
	(E) SITE WALL. NEW PLASTER PAINT TERRACCOTTA COLOR PER ARCH.APPROVAL (E) PLANTER SHOWN DASHED.
12	(E) PLANTER SHOWN DASHED.
14	(E) WALL LOUVER. PAINT (E) WALL LOUVER.
15	CÓLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL. PROVIDE ALUMINUM STOREFRONT IN (E) OPENING, SEE SHEET 8.00 FOR
16	ADDITIONAL INFORMATION. (E) SUN SHADE LOUVERS TO REMAIN. REPAIR & PAINT (E) WINDOW LOUVER. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
17	PROVIDE SLIDING GLASS DOOR IN (E) OPENING.
18	PROVIDE PAIR GLASS DOORS AND TRANSOM GLAZING IN (E) OPENING.
19	PROVIDE AUTO-SLIDING STOREFRONT DOOR AND STOREFRONT IN (E) OPENING, CONNECT AUTO-SLIDING DOOR TO (E) WIRING.
20	PROVIDE SIGNAGE, REFER TO SIGNAGE FLOOR PLAN A11-1.
21	(E) WALL PILASTER. PAINT (E) CEMENT PLASTER PILASTER. COLOR: DUNN EDWARDS "DE6226 FOGGY DAY" OR APPROVED EQUAL.
22	PROVIDE DOOR AND DOOR FRAME. PAINT DOOR AND FRAME. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
23	ROOF EQUIPMENT PER ROOF PLAN, SHEET A3-1.
24	PROVIDE BUILT-IN GALV. MTL. GUTTER PER ROOF PLAN, SHEET A3-1.
25	PAINT (E) DOOR AND FRAME. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.

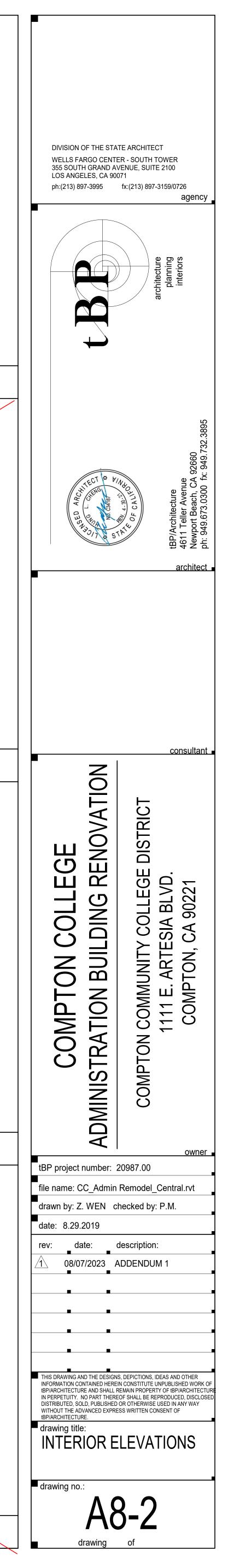


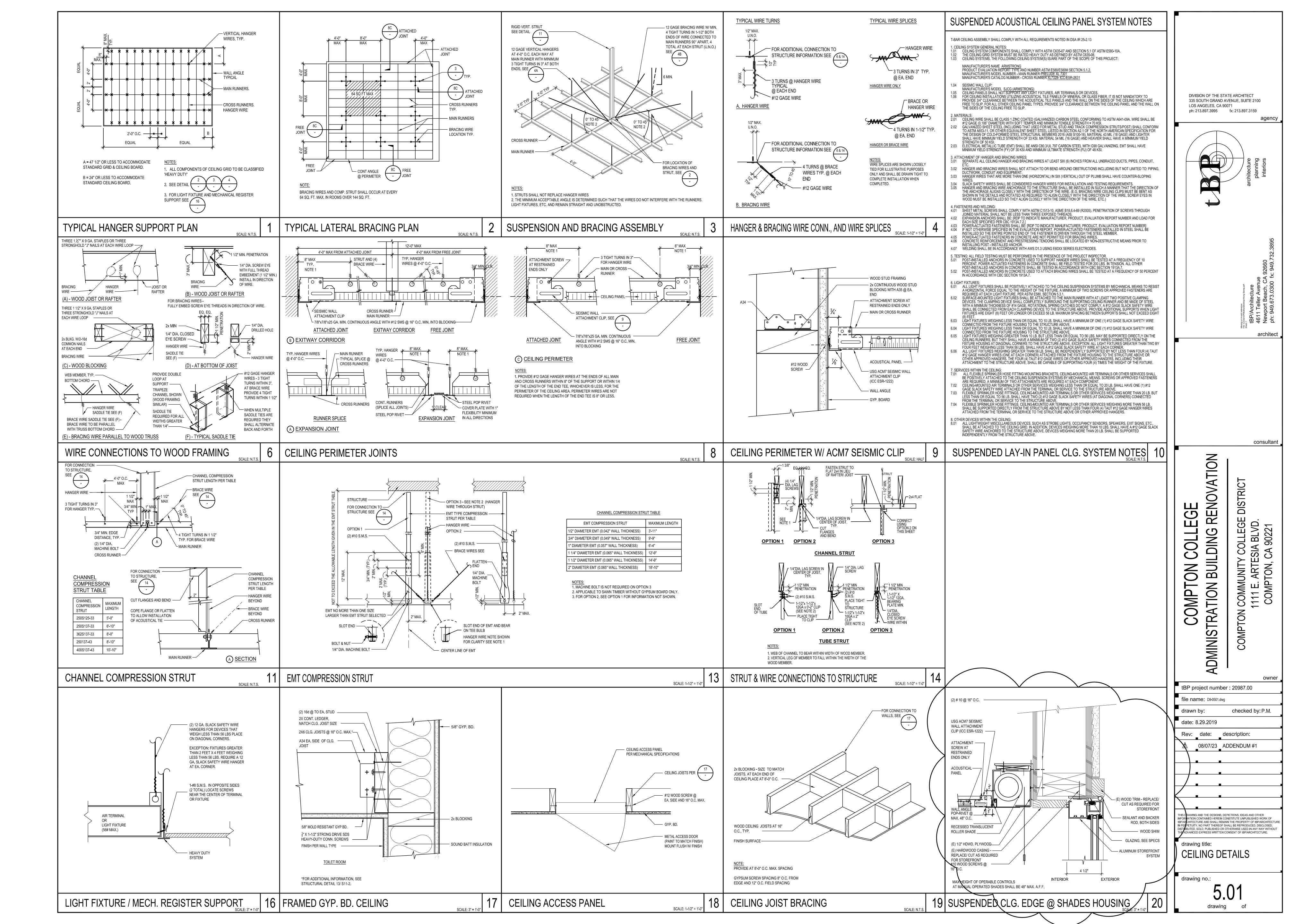


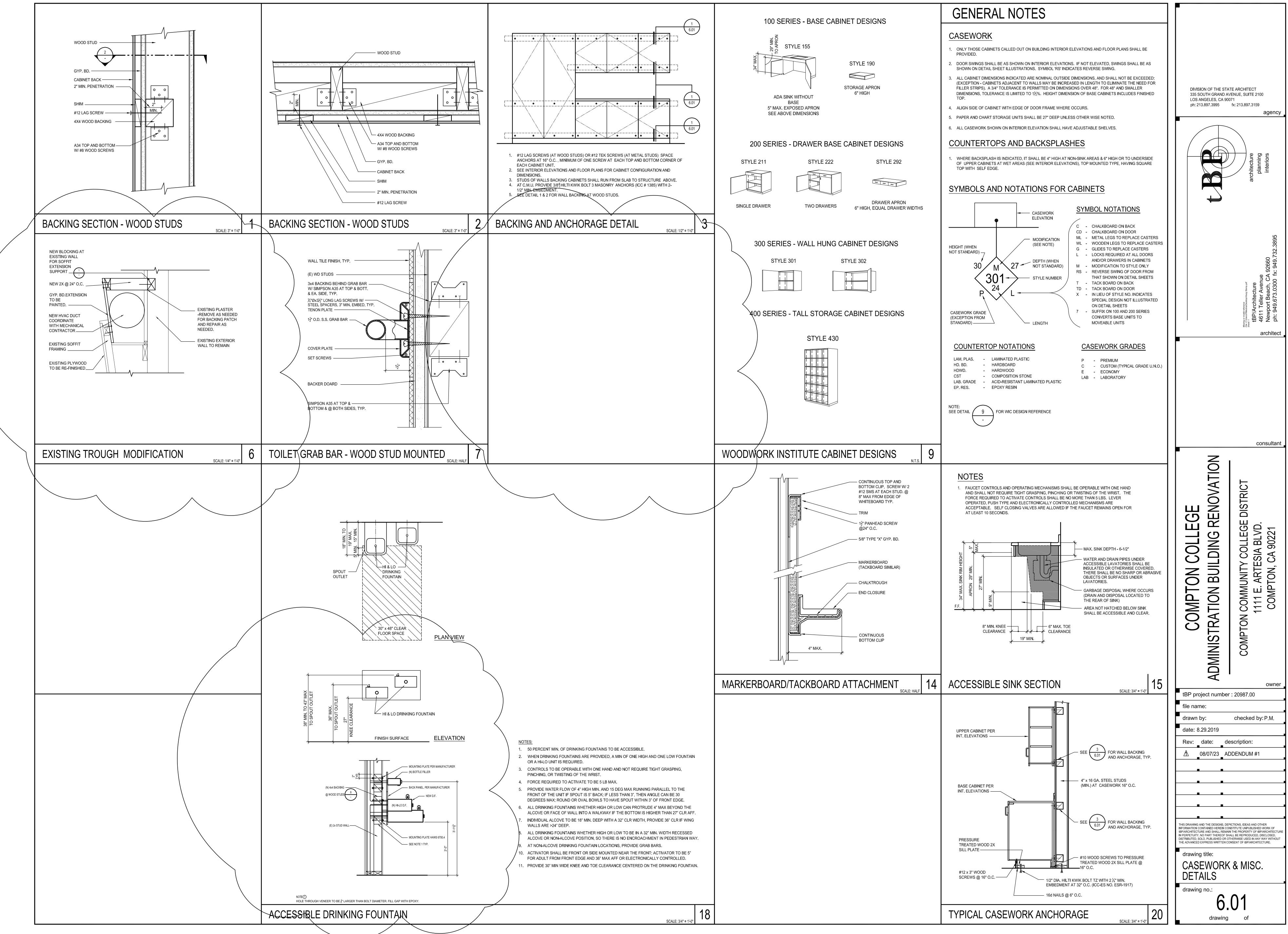


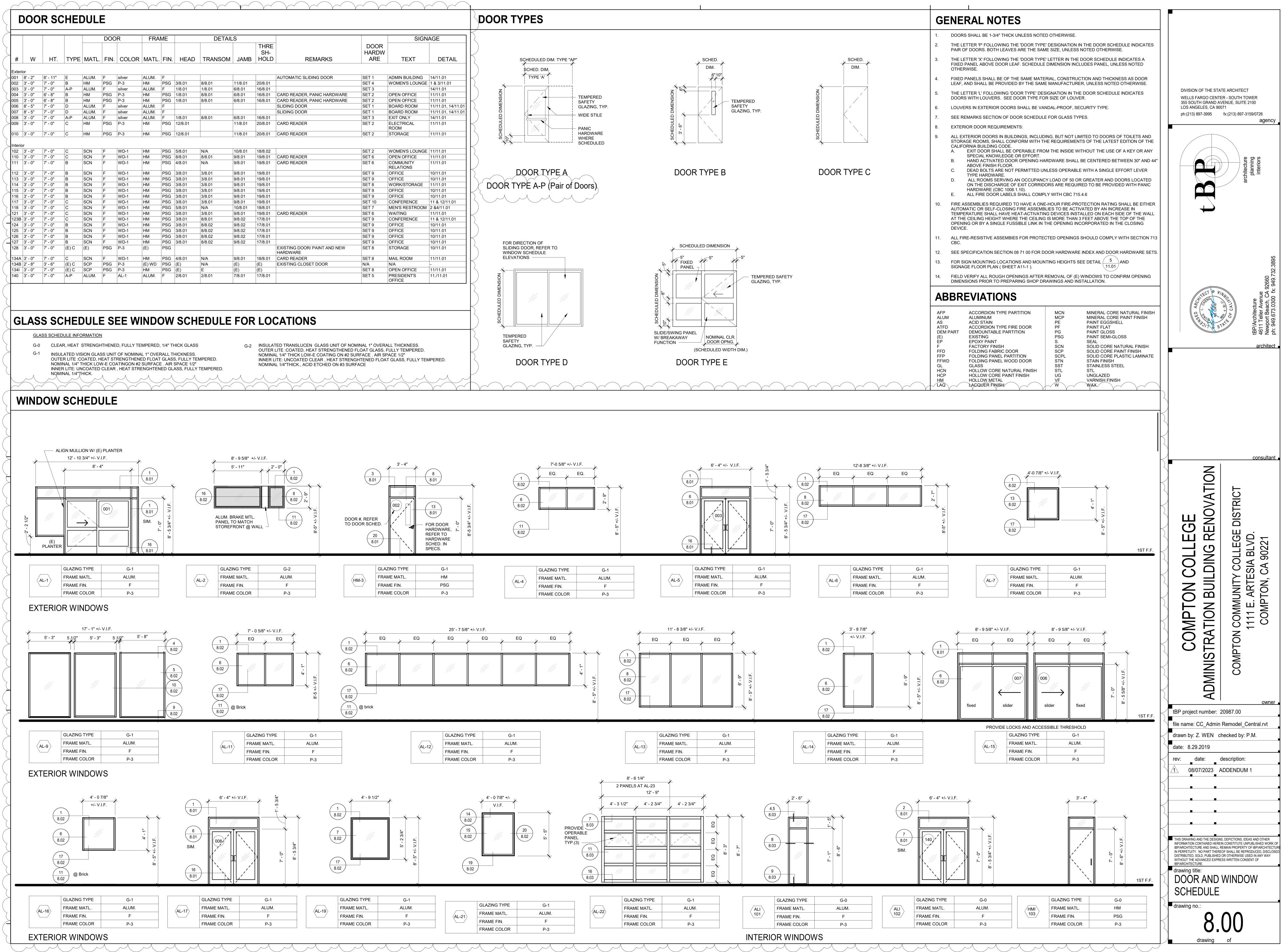








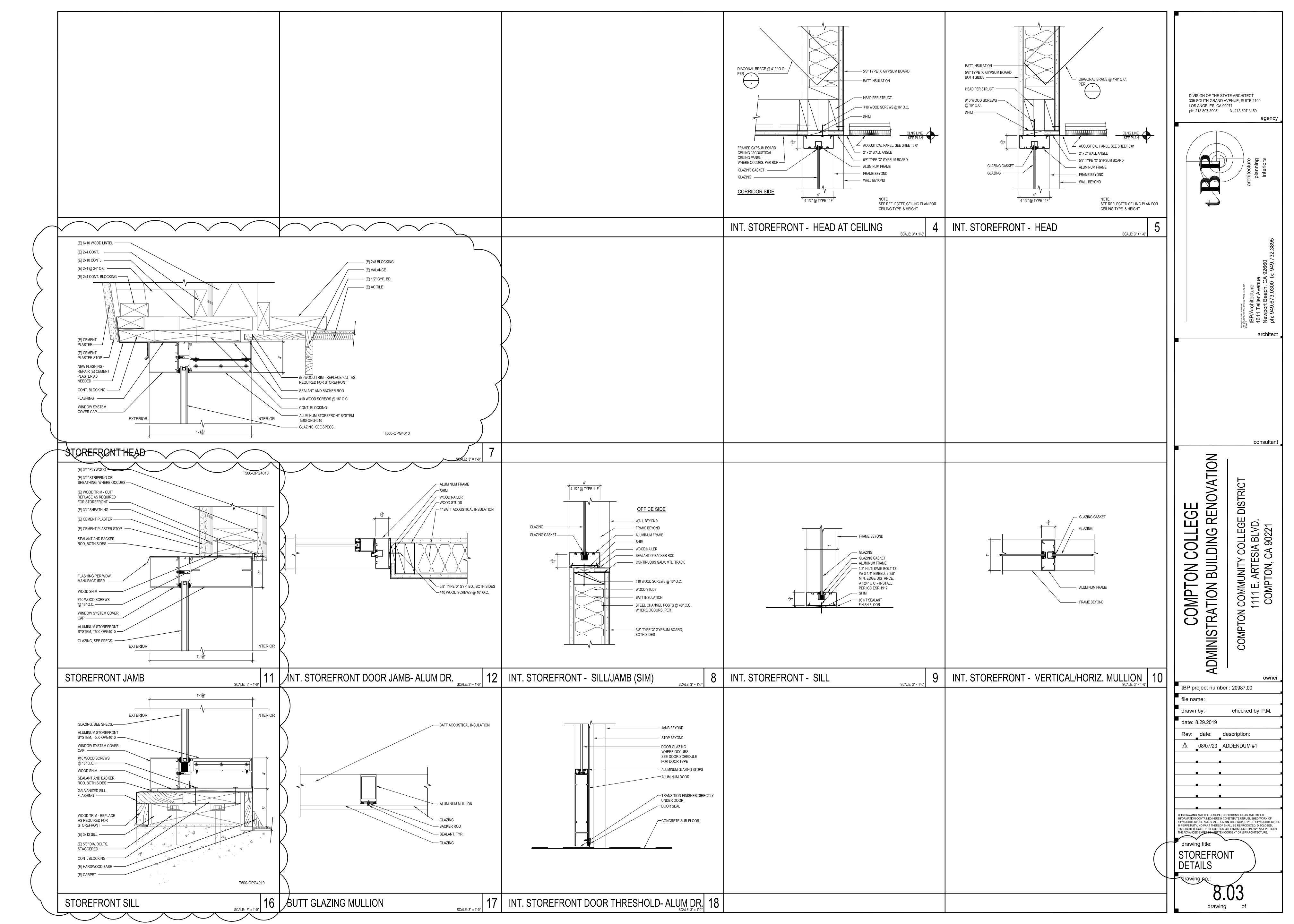




					,				
AZING TYPE	G-1	[Γ	_	GLAZING TYPE	G-1		
AME MATL.	ALUM.		GLAZING TYPE	G-1		FRAME MATL.	ALUM.		
AME FIN.	F	AL-21	FRAME MATL.	ALUM.	AL-22	FRAME FIN.	F		
AME COLOR	P-3		FRAME FIN.	F		FRAME COLOR	P-3		
			FRAME COLOR	P-3				L	

		GENERAL NOTES
		1. DOORS SHALL BE 1-3/4" THICK UNLESS NOTED OTHERWISE.
		2. THE LETTER 'P' FOLLOWING THE 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATE PAIR OF DOORS. BOTH LEAVES ARE THE SAME SIZE, UNLESS NOTED OTHERWISE.
	SCHED. DIM.	3. THE LETTER 'X' FOLLOWING THE 'DOOR TYPE' LETTER IN THE DOOR SCHEDULE INDICATES A FIXED PANEL ABOVE DOOR LEAF. SCHEDULE DIMENSION INCLUDES PANEL, UNLESS NOTED OTHERWISE.
		4. FIXED PANELS SHALL BE OF THE SAME MATERIAL, CONSTRUCTION AND THICKNESS AS DOOR LEAF, AND SHALL BE PROVIDED BY THE SAME MANUFACTURER, UNLESS NOTED OTHERWISE.
	DIMENSION	5. THE LETTER 'L' FOLLOWING 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATES DOORS WITH LOUVERS. SEE DOOR TYPE FOR SIZE OF LOUVER.
ERED 'Y NG, TYP.		6. LOUVERS IN EXTERIOR DOORS SHALL BE VANDAL-PROOF, SECURITY TYPE.
NG, TTP.		7. SEE REMARKS SECTION OF DOOR SCHEDULE FOR GLASS TYPES.
	SCHEDULED	8. EXTERIOR DOOR REQUIREMENTS:
	HOS	 ALL EXTERIOR DOORS IN BUILDINGS, INCLUDING, BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF TH CALIFORNIA BUILDING CODE. A. EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR AN SPECIAL KNOWLEDGE OR EFFORT. B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND
	DOOR TYPE C	ABOVE FINISH FLOOR. C. DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT LEVER
	DOORTHEO	 TYPE HARDWARE. D. ALL ROOMS SERVING AN OCCUPANCY LOAD OF 50 OR GREATER AND DOORS LOCATED ON THE DISCHARGE OF EXIT CORRIDORS ARE REQUIRED TO BE PROVIDED WITH PANIC HARDWARE (CBC 1008.1.10). E. ALL FIRE DOOR LABELS SHALL COMPLY WITH CBC 715.4.6
		10. FIRE ASSEMBLIES REQUIRED TO HAVE A ONE-HOUR FIRE-PROTECTION RATING SHALL BE EITHE AUTOMATIC OR SELF-CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTIVATING DEVICES INSTALLED ON EACH SIDE OF THE WAL AT THE CEILING HEIGHT WHERE THE CEILING IS MORE THAN 3 FEET ABOVE THE TOP OF THE OPENING OR BY A SINGLE FUSSIBLE LINK IN THE OPENING INCORPORATED IN THE CLOSING DEVICE.
		11. ALL FIRE-RESISTIVE ASSEMBIES FOR PROTECTED OPENINGS SHOULD COMPLY WITH SECTION CBC.
		12. SEE SPECIFICATION SECTION 08 71 00 FOR DOOR HARDWARE INDEX AND DOOR HARDWARE SE
		13. FOR SIGN MOUNTING LOCATIONS AND MOUNTING HEIGHTS SEE DETAIL $\begin{pmatrix} 5 \\ 11.01 \end{pmatrix}$ AND SIGNAGE FLOOR PLAN (SHEET A11-1).
 TEMPERED SAFETY GLAZING, TYP. 		14. FIELD VERIFY ALL ROUGH OPENINGS AFTER REMOVAL OF (E) WINDOWS TO CONFIRM OPENING DIMENSIONS PRIOR TO PREPARING SHOP DRAWINGS AND INSTALLATION.
		ABBREVIATIONS
l.)		AFPACCORDION TYPE PARTITIONMCNMINERAL CORE NATURAL FINISALUMALUMINUMMCPMINERAL CORE PAINT FINISHASACID STAINPEPAINT EGGSHELLATFDACCORDION TYPE FIRE DOORPFPAINT FLATDEM PARTDEMOUNTABLE PARTITIONPGPAINT GLOSS(E)EXISTINGPSGPAINT SEMI-GLOSSEPEPOXY PAINTS.SEALFFACTORY FINISHSCNSOLID CORE NATURAL FINISHFFDFOLDING FABRIC DOORSCPSOLID CORE PAINT FINISHFFPFOLDING PANEL PARTITIONSCPLSOLID CORE PAINT FINISHFFWDFOLDING PANEL WOOD DOORSTNSTAIN FINISHGLGLASSSSTSTAINLESS STEELHCNHOLLOW CORE NATURAL FINISHSTLSTL
\frown		HCP HOLLOW CORE PAINT FINISH UG UNGLAZED HM HOLLOW METAL VF VARNISH FINISH
		LAQ DACQUER FINISH WAX

								151 F
	•	I. I.		l . l .			• •	
	GLAZING TYPE	G-0	GLAZING TYPE	G-0		GLAZING TYPE	G-0	
ALI	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	НМІ	FRAME MATL.	HM	
101	FRAME FIN.	F	FRAME FIN.	F	103	FRAME FIN.	PSG	
	FRAME COLOR	P-3	FRAME COLOR	P-3		FRAME COLOR	P-3	
	-	·						



									ROOM FINISH SCHED	ULE							
	SPACE		FLOOR			BASE				WALLS			CEIL	INGS			
NUMBER	NAME	MATERIAL	TYPE	FINISH COLOR	MATERIAL	HEIGHT	FINISH	COLOR	MATERIAL	TYPE FINISH	COLOR	MATERIAL	TYPE	FINISH	COLOR	HEIGHT	REMARKS
		\sim			\sim			\sim									
1ST FLR.				(Current			· · · ·									
100	(E) LOBBY	Wind				4"	F (ر RB-1	GYN. BD.	- SATIN	P-1/P-4	A.C.T.	2X4	F	ACP-1	8'-7"	PROVIED WALK-OFF MAT AT ENTRY DOORS- SEE
102	(E) WOMEN'S LOUNGE	PORCELAIN TILE		F PT-2	RUBBER BASE/PORC. TILE	4"/PER WALL TILE		RB-1/PT-		- SEMI-GLOSS/F	P-1/PT-1, PT-3, PT-4	GYP. BD.		SEMI-GLOSS	D 1	8'-0"	FINISH NOTES
110	OPEN OFFICE	CARPET		F CPT-1	RUBBER BASE		F	RB-1/F1-	GYP. BD.	- SATIN	P-1	A.C.T.	- 2X4	F	ACP-1	VARIOUS	PROVIED WALK-OFF MAT AT ENTRY DOORS
110 111A	WAIT.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	PROVIED WALK-OFF MAT AT ENTRY DOORS
111B	STAFF	CARPET		F CPT-1	RUBBER BASE	<u>4</u> "	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
112	DIR C.R.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	 F	ACP-1	8'-7"	
113	DIR PRCH.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
110	WORK/ STOR.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	 F	ACP-1	8'-7"	
115	DIR ACCNT.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
116	VP ADMIN	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
117	CONF.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
118	MEN'S	PORCELAIN TILE		F PT-2	RUBBER BASE/PORC. TILE	4"/PER WALL TILE	F	RB-1/PT-			P-1/PT-1, PT-3, PT-4	GYP. BD.	-	SEMI-GLOSS		8'-0"	
120	OPEN OFC.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	PROVIED WALK-OFF MAT AT ENTRY DOORS
121	WAIT.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	PROVIED WALK-OFF MAT AT ENTRY DOORS
123	CONF.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
124	TITLE IX	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
125	PRO. DEV.	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
126	OFFICE	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
127	VP HR	CARPET		F CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	- SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
128	WORK/ STOR.	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	-	-	EXPSD U.O.S.		8'-6"	
133	(E) JAN.	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	SATIN	P-1	(E)			P-1	8'-0"	
134	MAILROOM			F _ LV-1	RUBBER BASE	4"	F	RB-1							P-1	8'-0"	
135	WOMEN'S		Ý Ý	F Y PT-2 Y		-	-	-	PORC. TILE	- F	PT-1	GYP. BD.	-	SEMI-GLOSS	P-1	8'-0"	SEE FINISH NOTES 2 & 3
140	(E) CORRIDOR	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	- (SATIN	P-1	8'-6"	PROVIED WALK-OFF MAT AT ENTRY DOORS- SEE FINISH NOTES
141	(E) BOARD ROOM	CARPET		F CPT-1	WOOD BASE	4"	F	WB-1	(EXISTING TO REMAIN	I) - (EXISTING TO REMAIN)	(E)	(E)	-	SATIN	P-1	9'-0" & 8'-6"	SEE FINISH NOTES 2 & 3 PROVIDE VERTICAL SHADES PER CEILING PLAN NOTES
142	(E) STORAGE	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	- (SATIN	P-1	8'-0"	SEE FINISH SCHEDULE NOTE 2 & 3
143	(E) STORAGE	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	-	SATIN	P-1	8'-0"	SEE FINISH SCHEDULE NOTE 2 & 3
144	(E) CLOSET	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	-	SATIN	P-1	8'-0"	SEE FINISH SCHEDULE NOTE 2 & 3
145	(E) STORAGE	- LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	- /	SATIN	P-1	8'-0"	SEE FINISH SCHEDULE NOTE 2 & 3
146	(E) ELECTRICAL ROOM	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	- (SATIN	P-1	8'-0"	SEE FINISH SCHEDULE NOTE 2 & 3
147	(E) STORAGE	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	-	SATIN	P-1	8'-6"	SEE FINISH SCHEDULE NOTE 2 & 3
148	(E) PRESIDENT'S OFFICE			F CPT-1	WOOD BASE	4"	F	WB-1	(EXISTING TO REMAIN	I) - (EXISTING TO REMAIN)	(E)	(E)	-	SATIN	P-1	8'-6"	SEE FINISH SCHEDULE NOTE 2 & 3
149	(E) TOILET		\mathbf{r}		\downarrow \checkmark	-	-	-	-		-	(E)	-	SATIN	P-1	8'-6"	SEE FINISH SCHEDULE NOTE 2 & 3
150	(E) OFFICE	LVT		F LV-1	SOLID WOOD BASE	4"	F	WB-1	(EXISTING TO REMAIN	I) - (EXISTING TO REMAIN)	(E)	(E)	-	SATIN	P-1	8'-6"	SEE FINISH SCHEDULE NOTE 2 & 3
151	(E) WORK RM.	LVT		F LV-1	RUBBER BASE	4"	F	RB-1	PLASTER	- SATIN	P-1	(E)	-	SATIN	P-1	8'-6"	SEE FINISH SCHEDULE NOTE 2 & 3
152	(E) CONFERENCE ROOM	CARPET		F CPT-1	SOLID WOOD BASE	4"	F	WB-1	(EXISTING TO REMAIN	I) - (EXISTING TO REMAIN)	(E)	(E)	-	SATIN	P-1	8'-6"	SEE FINISH SCHEDULE NOTE 2 & 3

ABBREVIATIONS

ACP	ACOUSTICAL PANEL CEILING
AGL BD	AGLOMMERATE TILE BOARD
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
СТ	CERAMIC TILE
EPXY	EPOXY
EXPSD	EXPOSED
F FRP	FACTORY FINISH FIBER REINFORCED PLASTIC PANEL
GL	GLASS
GYP	GYPSUM
LTF	LINOLEUM TILE FLOORING
MTL	METAL
EP	EPOXY PAINT
PE	PAINT EGGSHELL
PF PG	PAINT FLAT PAINT GLOSS
PG PNL	PAINT GLOSS
PSG	PAINT SEMI GLOSS
QT	QUARRY TILE
RESIL	RESILIENT
RTF	RUBBER TILE FLOORING
SF	SATIN FINISH
SLR	SEALER
SV VCT	SHEET VINYL VINYL COMPOSITION TILE
VFWC	

GENERAL NOTES

INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME AND SMOKE-DEVELOPED INDEXES, REFER TO 803.1.1 (SEE EXCEPTION 803.1.2) AND CFC 803.1.

- INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED FOR FIRE PERFORMANCE AND SMOKE DEVELOPMENT PER SECTION 803.
- INTERIOR WALLS AND CEILING FINISHES SHALL BE CLASSIFIED BY OCCUPANCY PER 2. TABLE 803.9 OR BE TESTED PER SECTION 803.1.2 (NFPA 286 CRITERIA). TEXTILE AND VINYL WALL COVERINGS SHALL BE TESTED PER 803.1.3 ACCEPTANCE 3. CRITERIA OF NFPA 265, OR, PER 803.1.4 ACCEPTANCE CRITERIA TESTED TO ASTM E84 OR UL 723 CLASS A FLAME SPREAD INDEX AND PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM PER 903.1.1 OR 903.1.1.2.
- EXCEPTION: 803.2 MATERIALS LESS THAN 0.036" THICK APPLIED DIRECTLY NEED NOT BE
- TESTED. 4. INTERIOR FLOOR FINISHES SHALL COMPLY WITH SECTION 804.
- 5. DECORATIVE TRIM & MATERIALS SHALL COMPLY WITH SECTION 806.

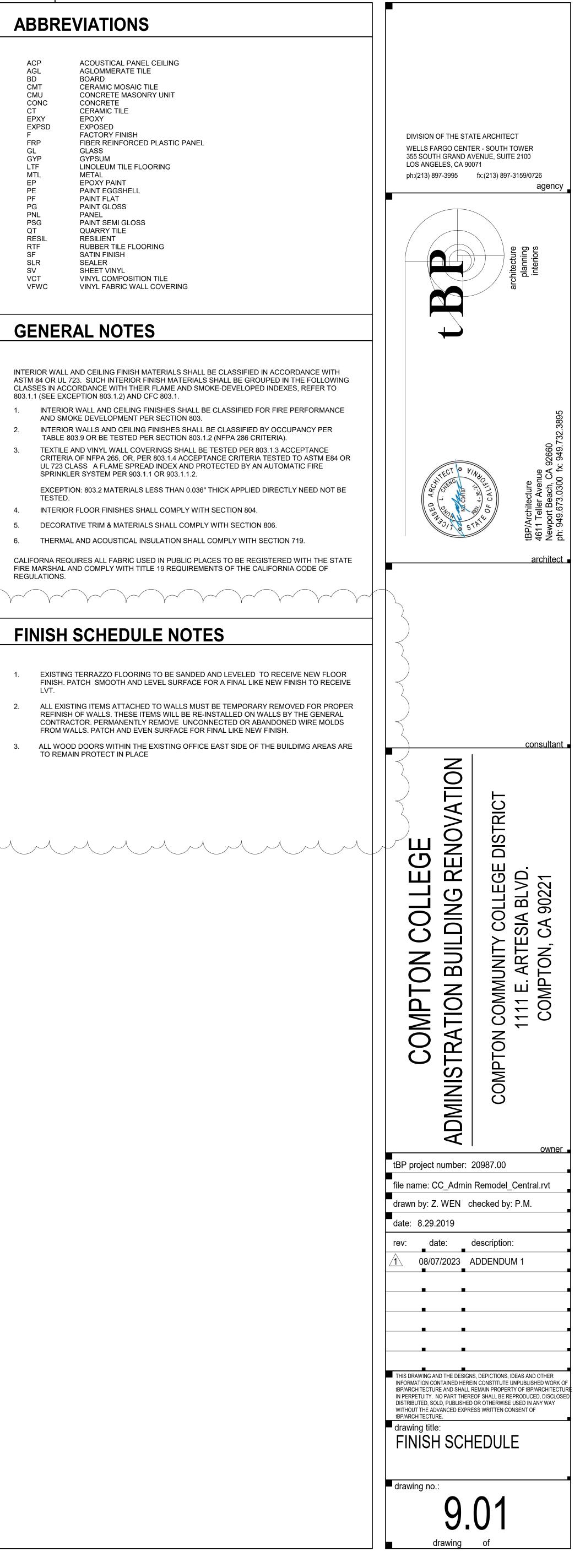
6. THERMAL AND ACOUSTICAL INSULATION SHALL COMPLY WITH SECTION 719.

CALIFORNA REQUIRES ALL FABRIC USED IN PUBLIC PLACES TO BE REGISTERED WITH THE STATE FIRE MARSHAL AND COMPLY WITH TITLE 19 REQUIREMENTS OF THE CALIFORNIA CODE OF

REGULATIONS.

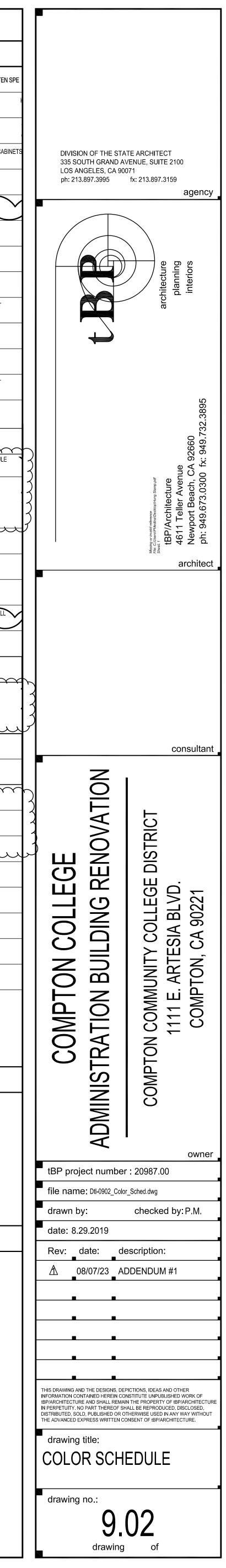
FINISH SCHEDULE NOTES

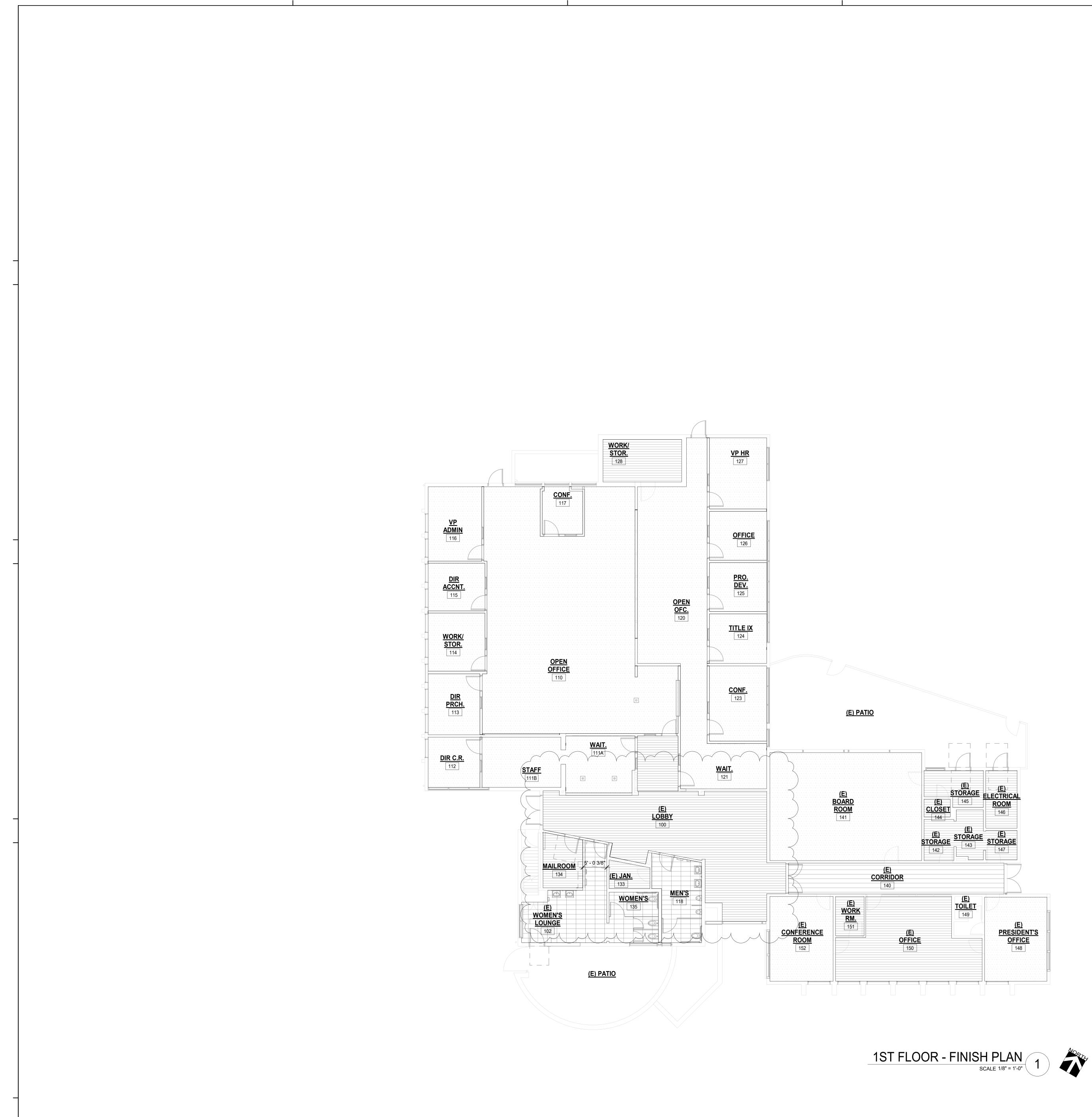
- EXISTING TERRAZZO FLOORING TO BE SANDED AND LEVELED TO RECEIVE NEW FLOOR 1. FINISH. PATCH SMOOTH AND LEVEL SURFACE FOR A FINAL LIKE NEW FINISH TO RECEIVE LVT.
- ALL EXISTING ITEMS ATTACHED TO WALLS MUST BE TEMPORARY REMOVED FOR PROPER REFINISH OF WALLS. THESE ITEMS WILL BE RE-INSTALLED ON WALLS BY THE GENERAL CONTRACTOR. PERMANENTLY REMOVE UNCONNECTED OR ABANDONED WIRE MOLDS FROM WALLS. PATCH AND EVEN SURFACE FOR FINAL LIKE NEW FINISH.
- 3. ALL WOOD DOORS WITHIN THE EXISTING OFFICE EAST SIDE OF THE BUILDIMG AREAS ARE TO REMAIN PROTECT IN PLACE

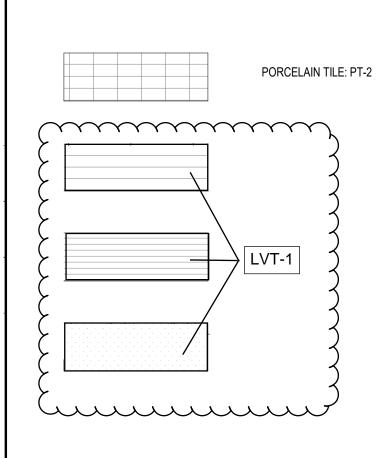




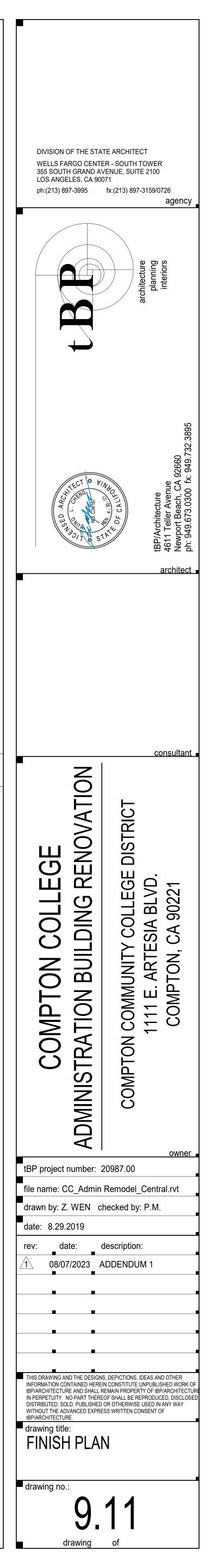
	SPEC. SECTION	MATERIAL	DESIGNATION	MANUFACTURER	COLOR NO.	COLOR NAME	REMARKS
	03 10 00 CONCRETE FORMS	ARCHITECTURAL CONCRETE					FINISH & BROOM FINISH. SEE WRITTE
	03 30 00 CAST-IN-PLACE CONCRETE						
		CONCRETE FLOORS - EXPOSED/NATL.					
	06 41 16 ARCHITECTURAL CASEWORK	PLASTIC LAMINATE	PL-1	WILSONART	4941L-18	COSMIC STRANDZ	INT-CASEWORK, UPPER & LOWER CA VERTICAL SURFACES
		SOLID SURFACE	(SSU-1)	FORMICA SOLID SURFACING	775	LUNA STORM	INT-CASEWORK COUNTERTOPS
	96 14 16	WOOD VENEER	WD-1	FORMICA CLASSICS SHERMIN WILLIAMS		MATCH FORMICA CHERRY BIRCH	
\checkmark	FLUSH WOOD DOORS	PORCELAIN TILE	PT-1	DALTILE	P685	BLANC LINEN (12"X24")	INT-RESTROOM WALL TILE, FIELD
	TILE	PORCELAIN TILE		FABRIQUE	P690		INT-RESTROOM FLOOR TILE
		PORCELAIN TILE	PT-2	FABRIQUE		GRIS LINEN (12"x24")	INT-RESTROOM WALL TILE, FIELD
		PORCELAIN TILE	(PT-3)	FABRIQUE	P685	GRIS LINEN (6"X24")	INT-RESTROOM WALL TILE, ACCENT
		ALUMINUM COVE TRIM	PT-4	FABRIQUE SCHLUTER SYSTEMS	P689	NOIR LINEN (6"x24")	INT-RESTROOM
		GROUT		DILEX AHK MAPEI	-	SATIN ANODIZED ALUMINUM	INT-RESTROOM WALL TILE GROUT
			G-1		103	COBBLESTONE	LOBBY FLOOR TILE GROUT
		GROUT	G-2	MAPEI	19	PEARL GRAY	INT-RESTROOM FLOOR TILE GROUT
	09 51 13 ACOUSTICAL CEILING PANELS	ACOUSTICAL CEILING PANELS	ACP-1	ARMSTRONG CIRRUS SECOND LOOK	-	WHITE	INT-LOBBY/ OFFICE AREAS SEE WRITTEN SPECIFICATIONS
\sim	09 65 13 RESILIENT BASE	RUBBER BASE	RB-1	JOHNSONITE TRADITIONAL WALL BASE	20	CHARCOAL	
Ĺ Ĺ	09 65100 LUXURY VYNAL TILE	LVT	LVT-1	Collection: ID Latitude. Style: PLST Latitude Stone.	7242	Hearthstone. Emboss: QU 18x18.	OFFICE REAS SEE FINIS SCHEDULI
۲	•	A					
کر ب					<u> </u>		
J.	09 90 00 PAINT		P-1	DUNN EDWARDS	DE6232	ABSTRACT WHITE	INT-WALLS (FIELD)
		PAINT	P-2	DUNN EDWARDS	DE6226	FOGGY DAY	EXT-WALLS
		PAINT	(P-3)	DUNN EDWARDS	DE6353	SILVER LINED	WINDOW FRAME
	(PAINT	(P-4)	DUNN EDWARDS	DEA152	DEEP CRIMSON	MTERIOR SIGNLETTER ON THE WALL
	09 93 00	WOOD STAIN	<u>S-2</u>	SHERWIN WILLIAM	SW 3127	CULINARY CREAM	SEE WRITTEN SPECIFICATIONS
	STAINING & TRANSPARENT FINISI	H WOOD STAIN	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	MINWAX SHERWIN WILLIAM	MW232	RED CHESTNUT	SEE WRITTEN SPECIFICATIONS
8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			MINWAX			
Z					-		l
ل ل	09 96 00	EXTER. HIGH PERFORMANCE COATING				······	SEE WRITTEN SPECIFICATIONS
	HIGH PERFORMANCE COATINGS	STEEL SUBSTRATES			41 MT	SILVER	
		EXTER. HIGH PERFORMANCE COATING GALVANIZED METAL SUBSTRATES					SEE WRITTEN SPECIFICATIONS
£	* * * * * * * * *						
Z							
L L	mm	mm	·····	mm	·····	······	······
	10 14 19 DIMENSIONAL LETTER SIGNAGE	DIMENSIONAL CHARACTERS STAINLESS STEEL	·			STAINLESS STEEL, NO. 4	SEE WRITTEN SPECIFICATIONS
	10 21 13.17 PHENOLIC CORE TOILET COMPARTMENT	TOILET COMPARTMENTS	TC-1	BOBRICK SIERRA SERIES 1092G.67P	SC04	FOREST GREEN	INT
	12 24 00 WINDOW SHADES	ROLLER SHADES	RS-1	SKYCO SHEERWEAVE, STYLE 2390 , 5%	P14		INTERIOR ROLLER SHADES
	TYPICAL FINI						
		UFACTURER'S STANDA					
	2. ALL INTERIO	R FINISHES SHALL COM	PLY W/ THE FL	AME SPREAD AND S	ANITATION F	REQUIREMENTS OF (CHAPTER 8, C.B.C.
	l i i i i i i i i i i i i i i i i i i i						

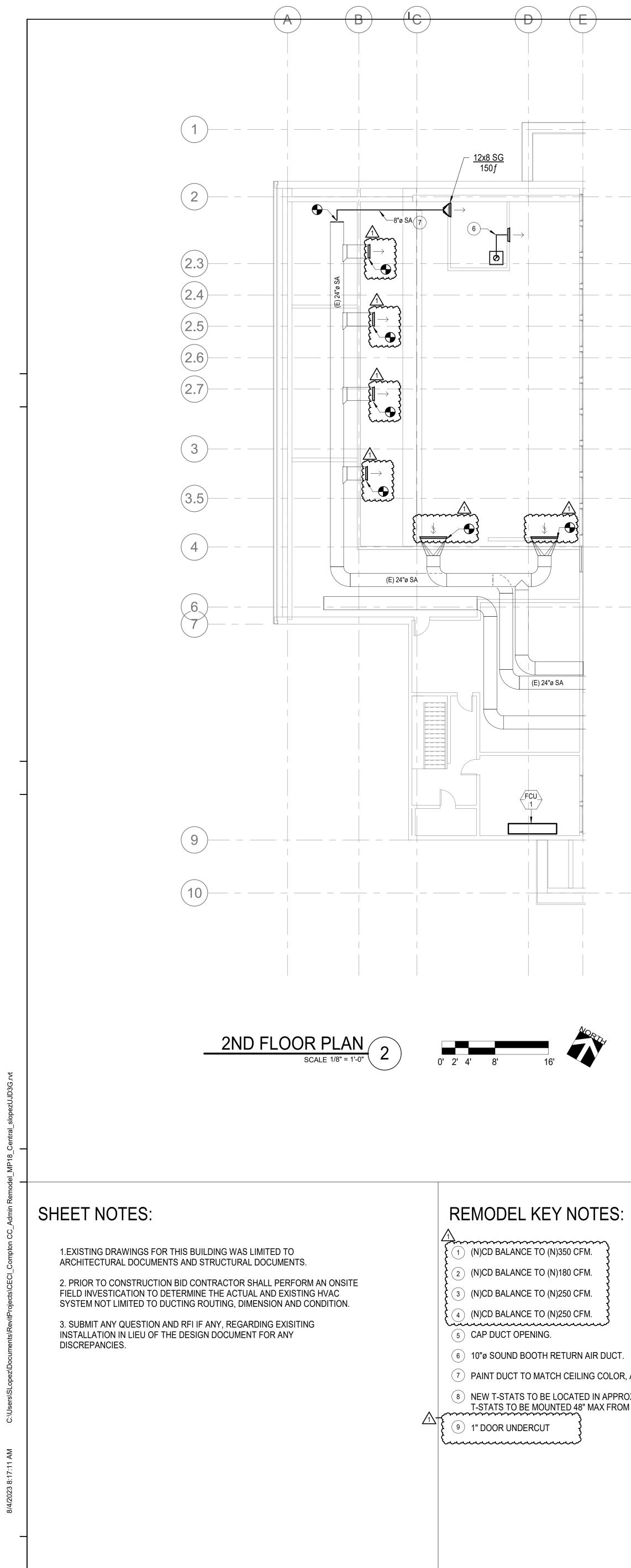


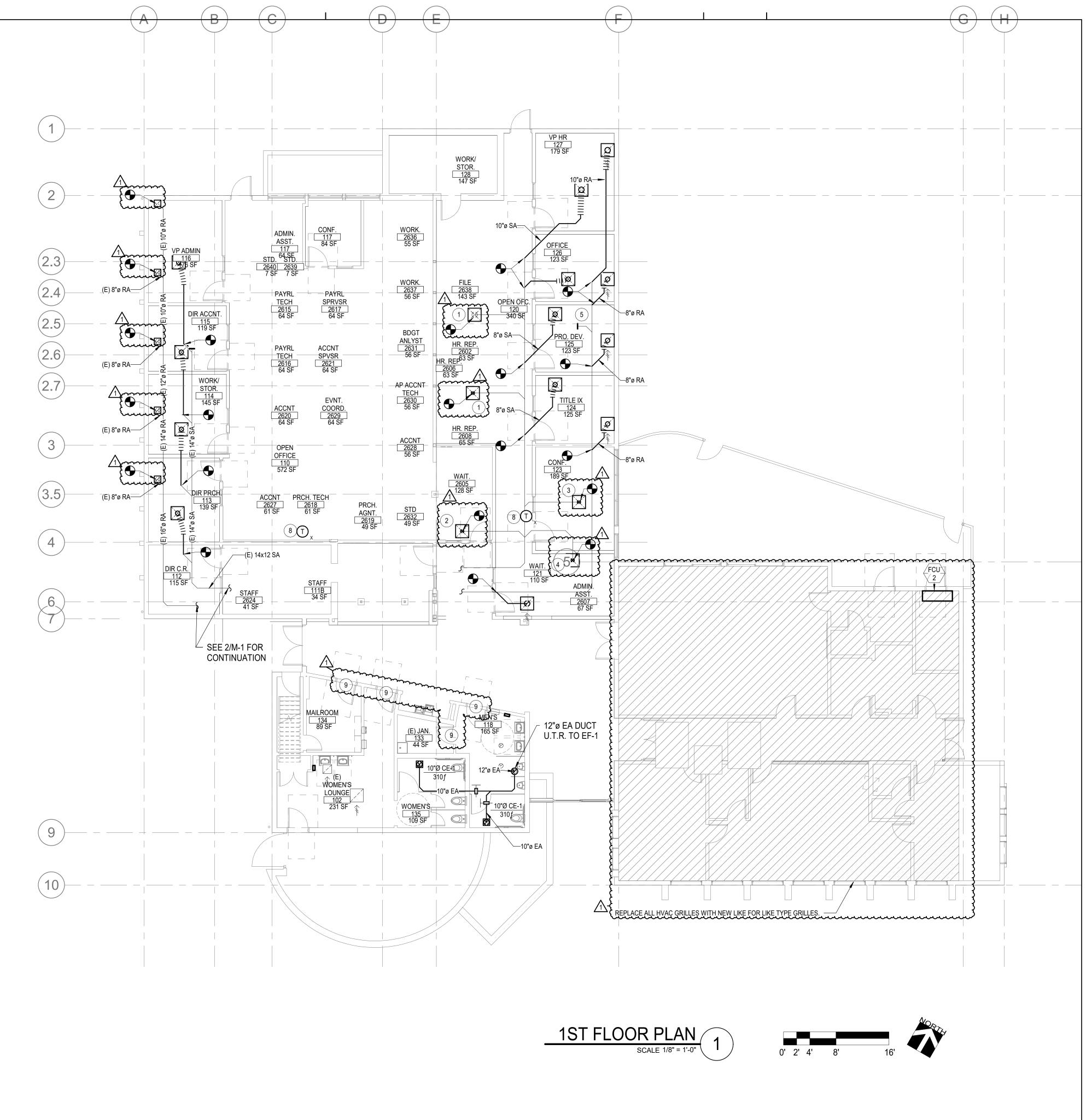




FLOOR FINISH LEGEND





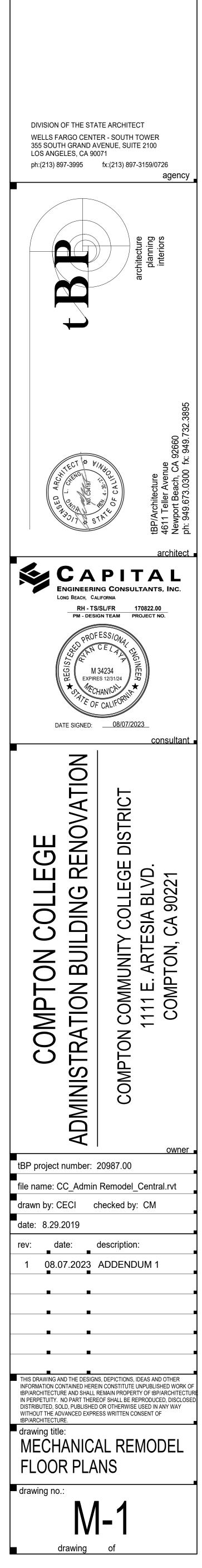


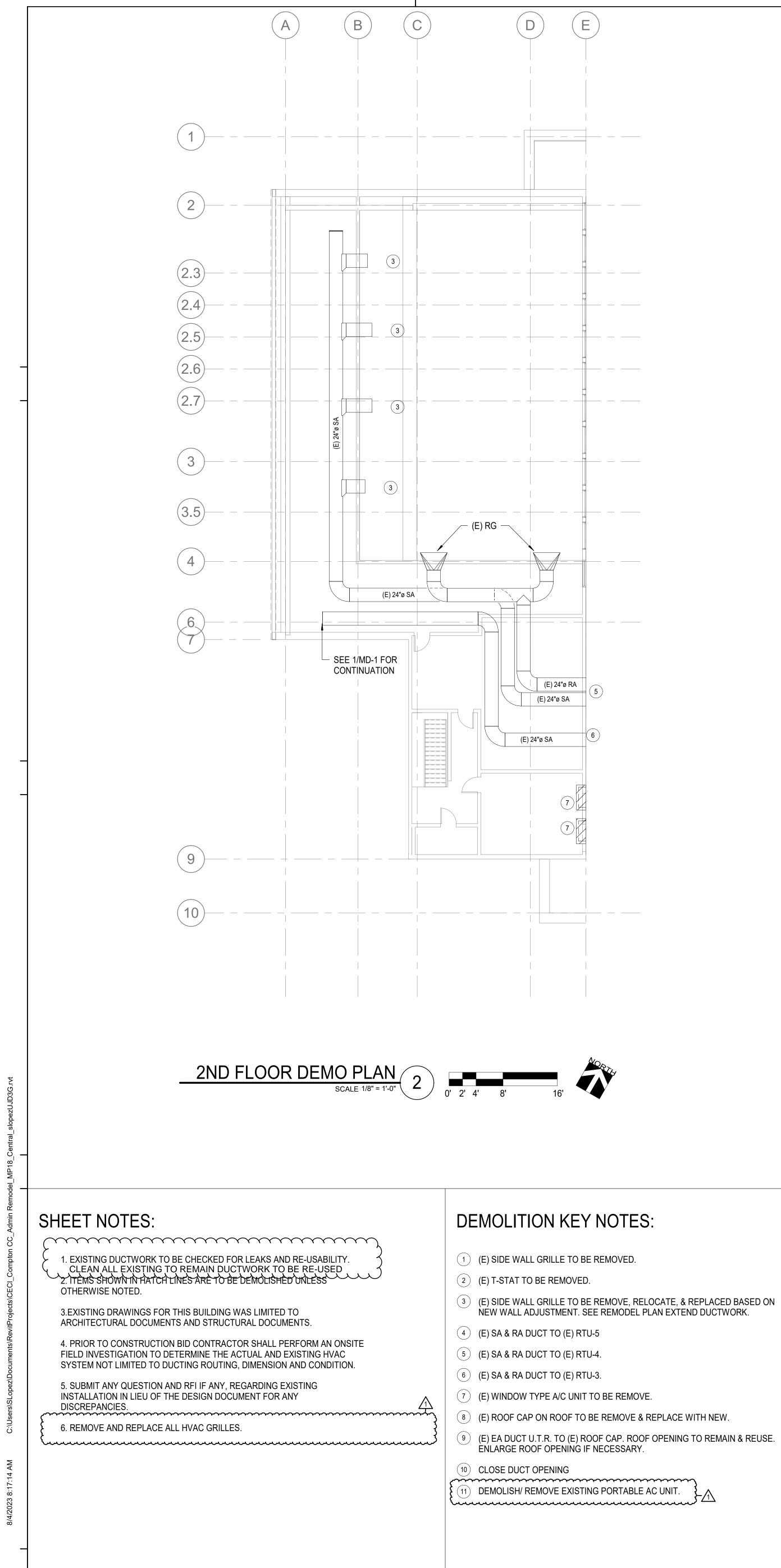
_ _ _

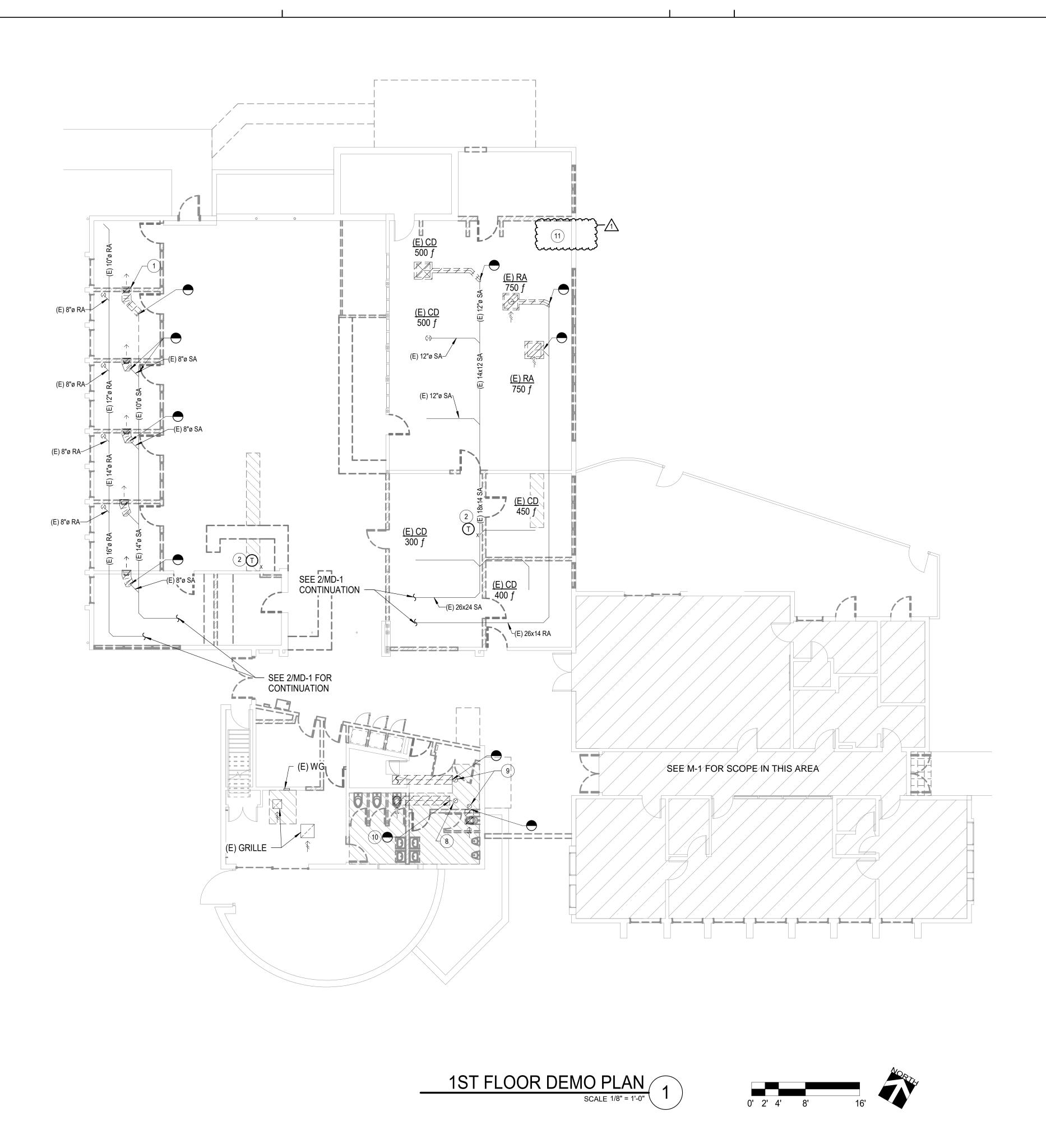


7 PAINT DUCT TO MATCH CEILING COLOR, ALIGN AS CLOSE TO WALL AS POSSIBLE.

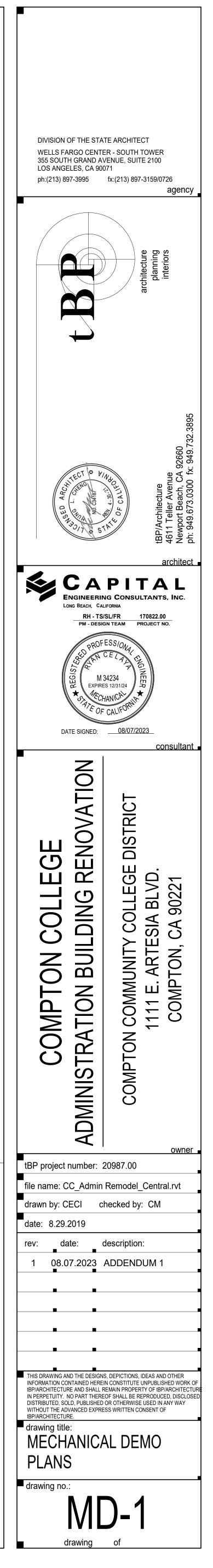
8 NEW T-STATS TO BE LOCATED IN APPROX. SAME LOCATION AS PREVIOSULY DEMO'D T-STATS. T-STATS TO BE MOUNTED 48" MAX FROM AFF. TO HIGHEST OPERABLE PART.

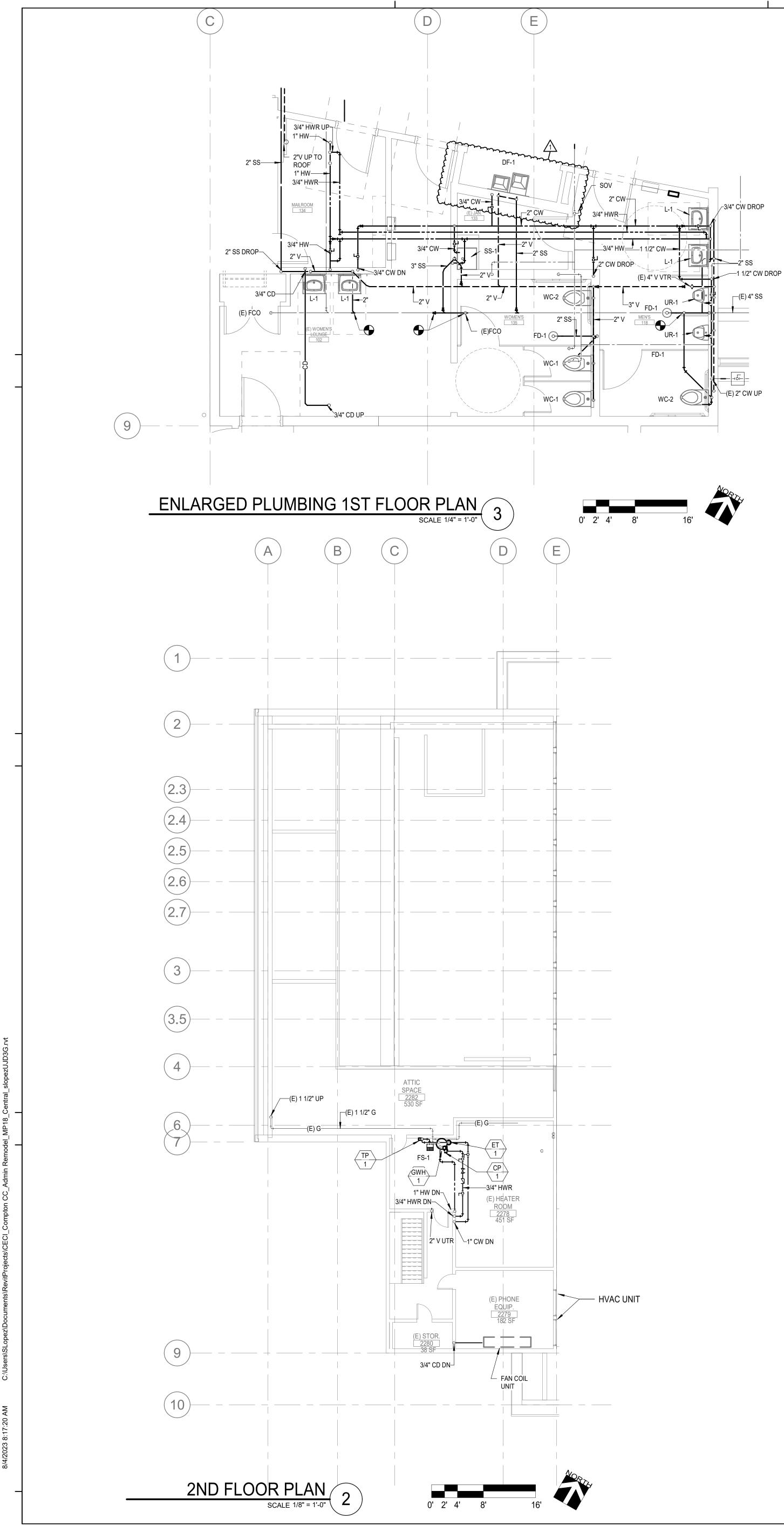


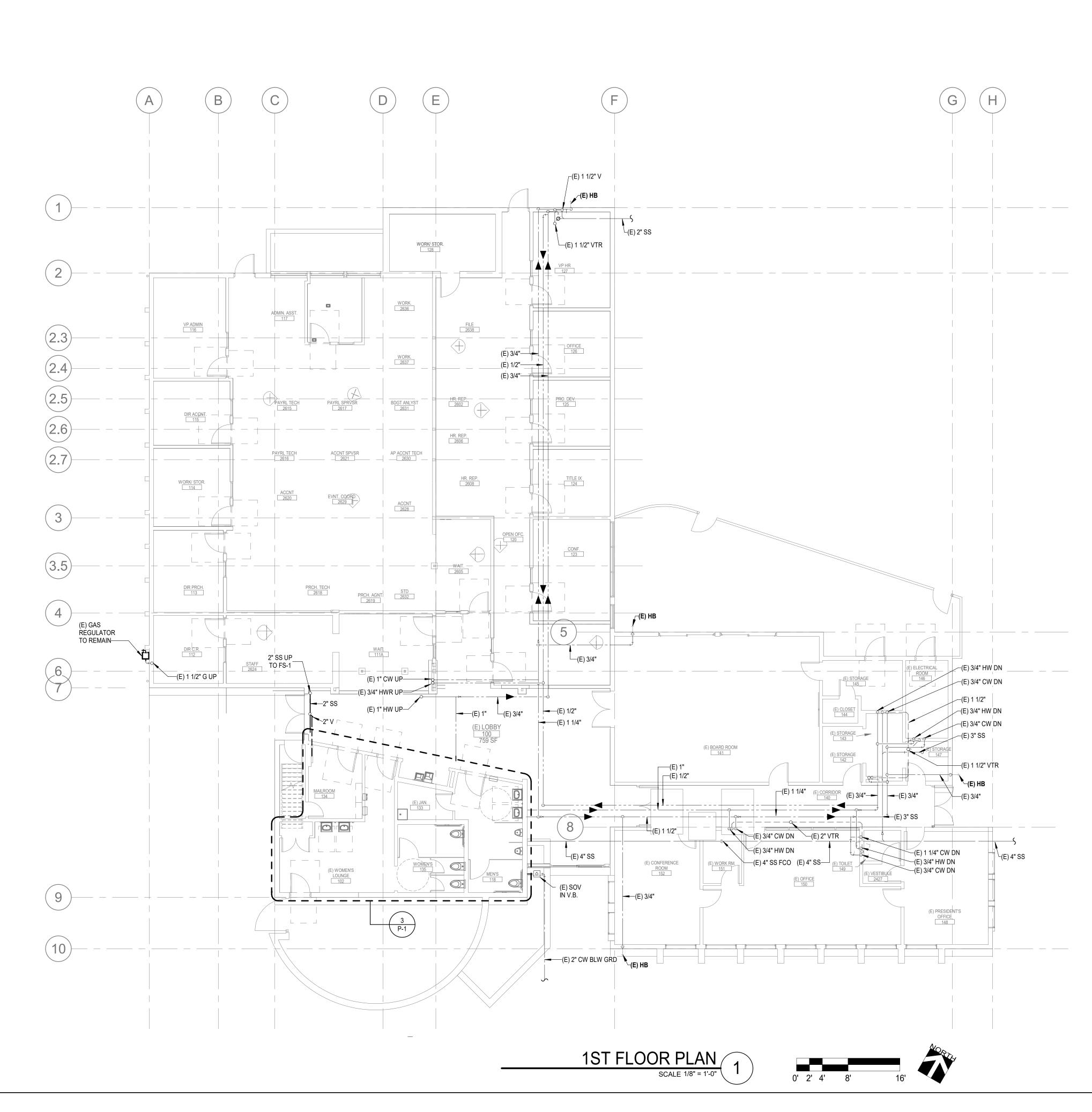




(9) (E) EA DUCT U.T.R. TO (E) ROOF CAP. ROOF OPENING TO REMAIN & REUSE. ENLARGE ROOF OPENING IF NECESSARY.

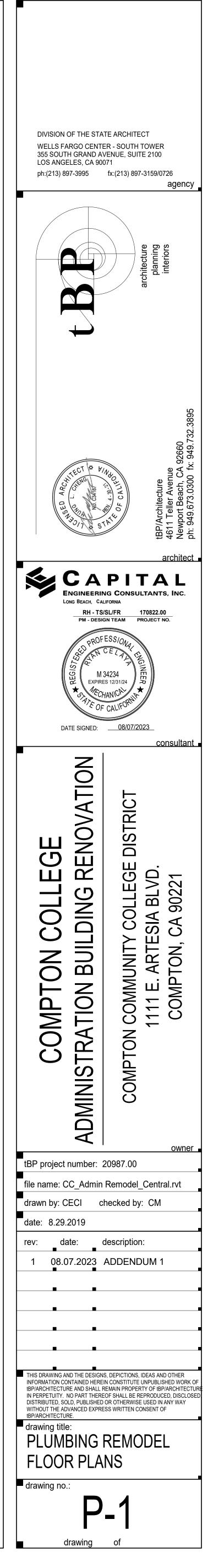


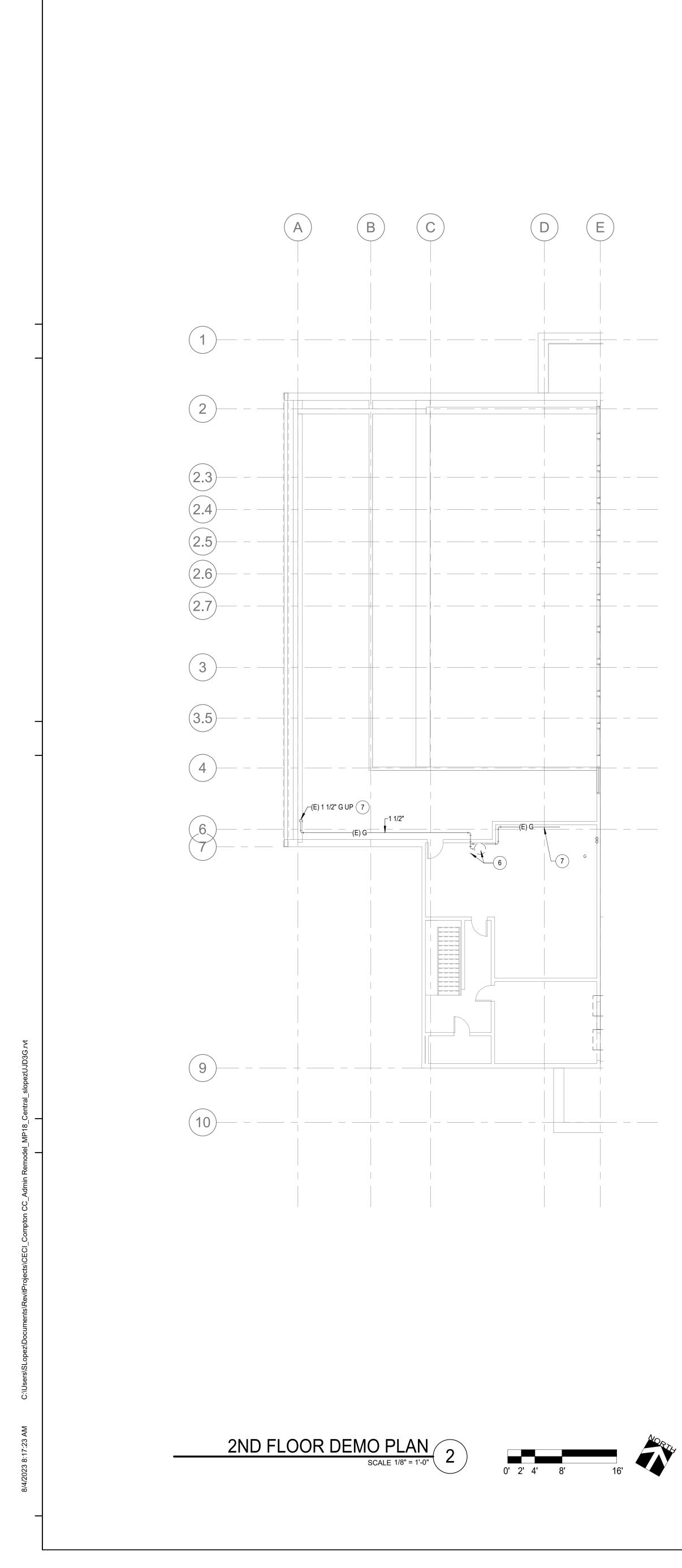


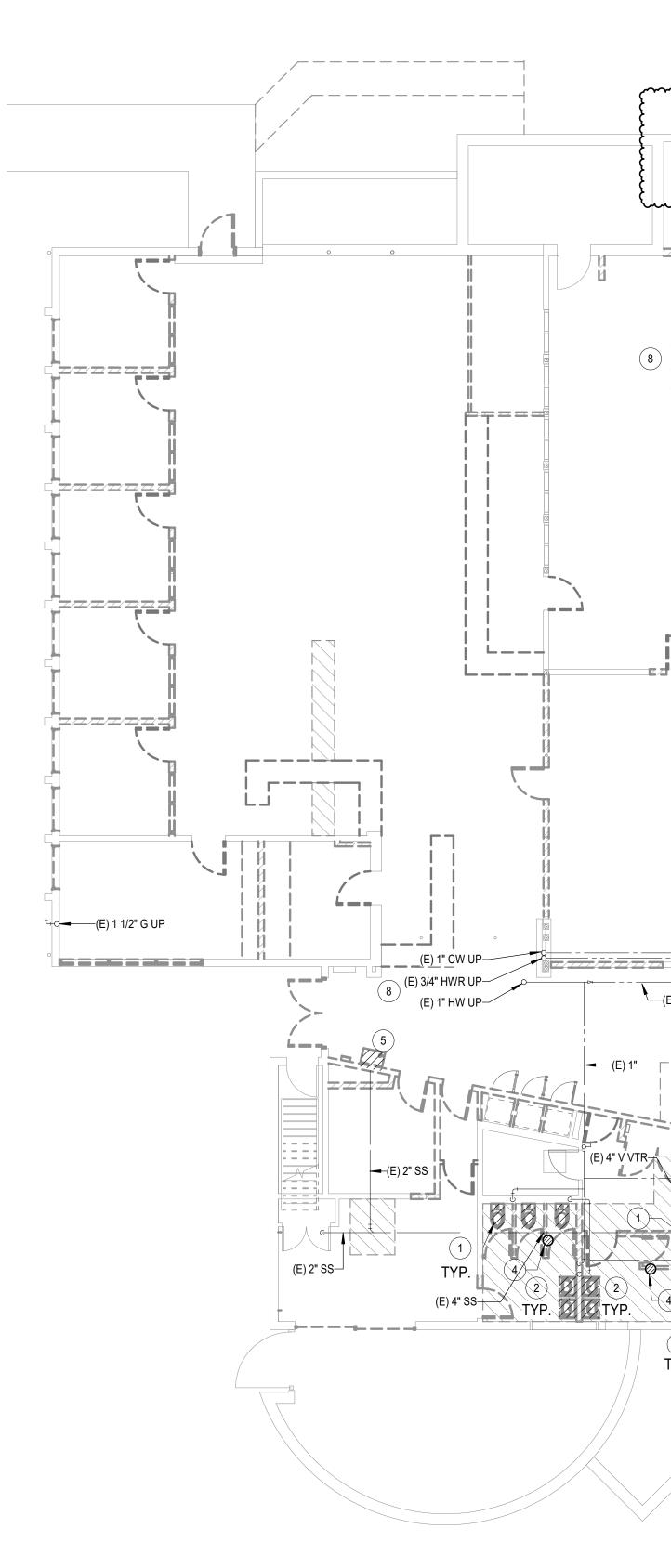


GENERAL NOTES:

1. CONTRACTORS SHALL PERFORM FIELD INVESTIGATION OF EXISTING CONDITIONS BEFORE BEGINNING NEW WORKS.







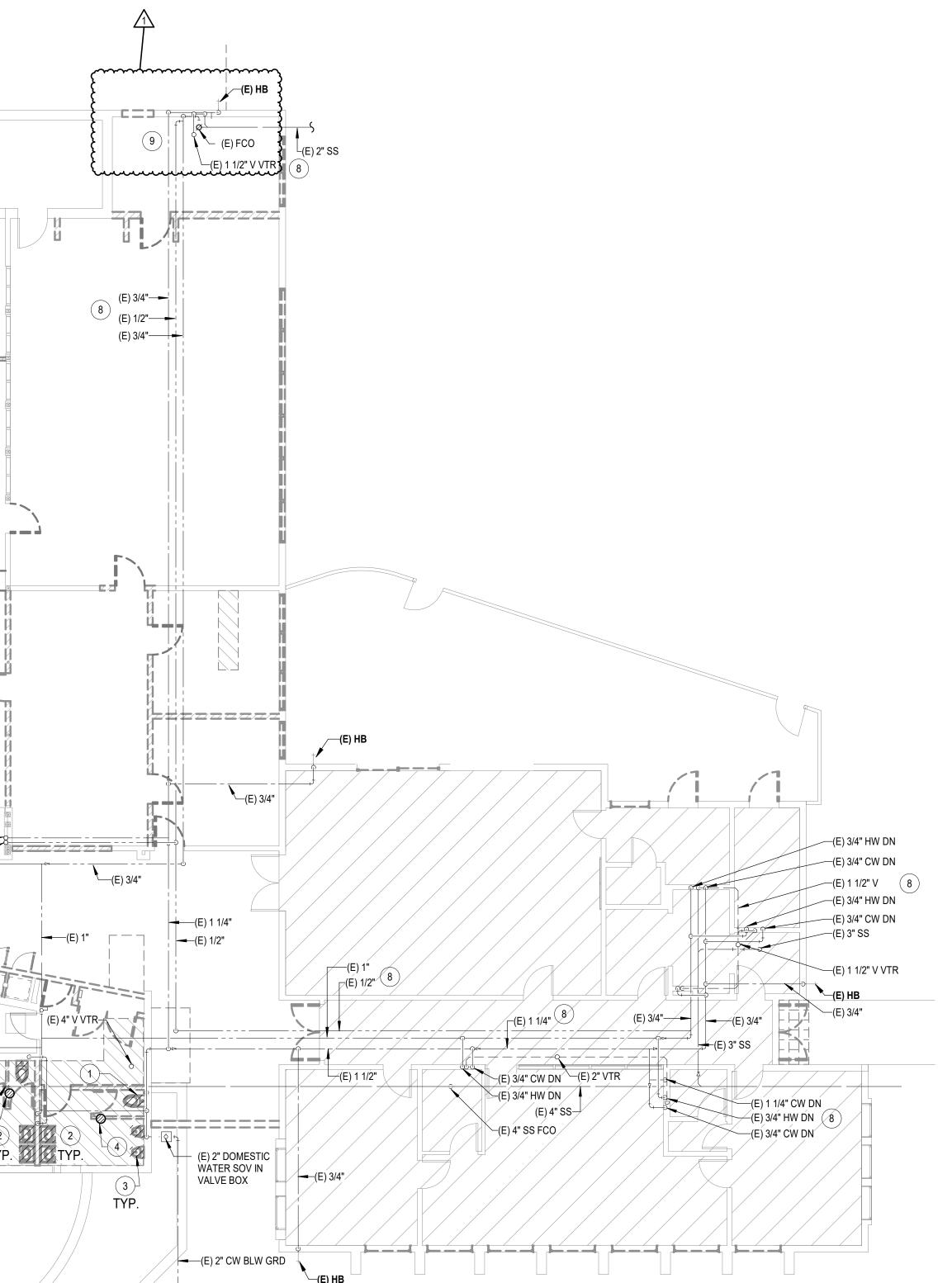


DEMOLITION KEY NOTES:

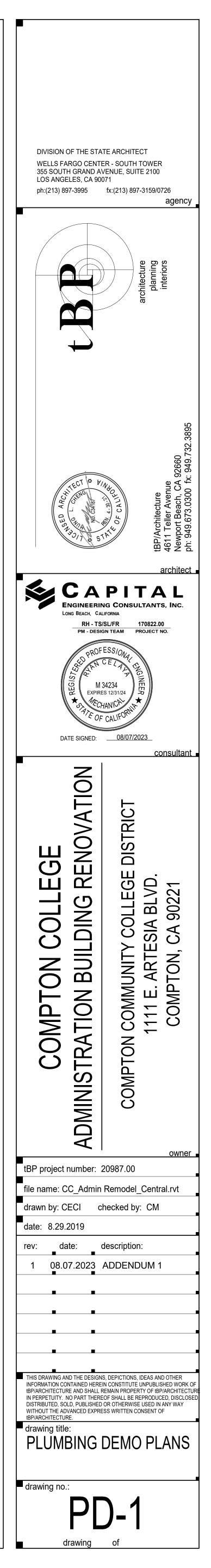
- (1) (E) WATER CLOSET TO BE REMOVED, RELATED WASTE, VENT, WATER PIPING TO BE DEMOLISHED BELOW FLOOR AND ABOVE CEILING.
- (2) (E) LAVATORIES TO BE REMOVED, RELATED WASTE, VENT, WATER PIPING TO BE DEMOLISHED BELOW FLOOR AND ABVE CEILING.
- (E) URINAL TO BE REMOVED, RELATED WASTE, VENT, WATER PIPING TO BE DEMOLISHED BELOW FLOOR AND ABOVE CEILING.
- (E) FLOOO DRAIN TO BE REMOVED, RELATED WASTE & VENT PIPING TO BE DEMOLISHED BELOW FLOOR AND ABOVE CEILING.
- (5) (E) DRINKING FOUNTAIN TO BE REMOVED, RELATED WASTE, VENT & WATER PPING TO BE DEMOLISHED BELOW FLOOR AND ABVE CEILING.
- (E) GAS WATER HEATER AND RELATED WATER, GAS PIPING TO BE DEMOLISHED. (E) FLUE TO BE REMOVED AND REPLACED.
- (7) (E) GAS PIPING TO REMAIN IN PLACE.
- (8) (E) PIPING TO REMAIN IN PLACE.
- (E) SINK TO BE REMOVED, RELATED WASTE, VENT, WATER PIPING TO BE DEMOLISHED BELOW FLOOR AND ABVE CEILING.

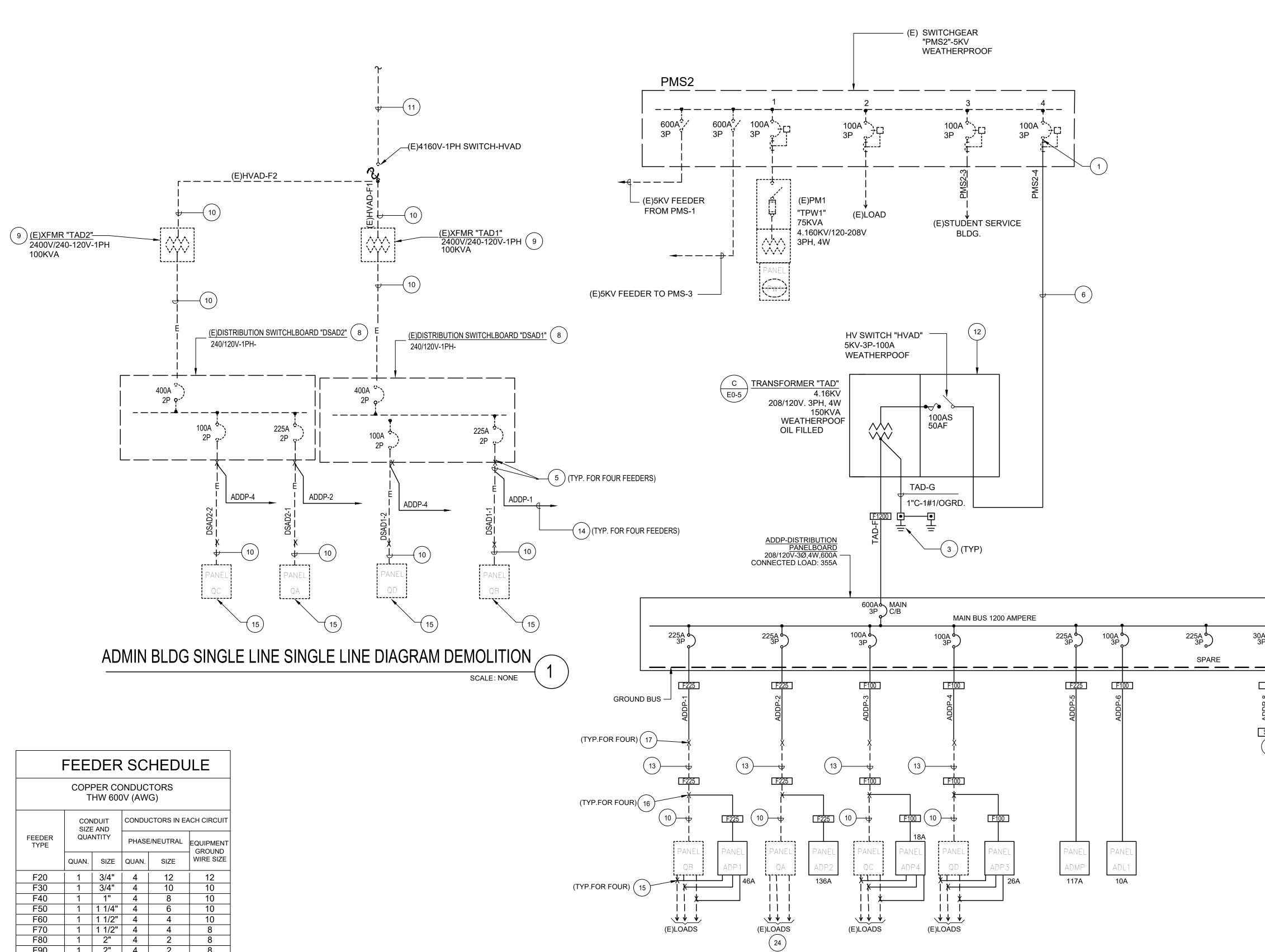
GENERAL NOTES:

1. CONTRACTORS SHALL PERFORM FIELD INVESTIGATION OF EXISTING CONDITIONS BEFORE BEGINNING DEMOLITION WORKS AND SHALL INCLUDE IN THE BID THE COSTS OF FIELD INVESTIGATION, SELECTIVE DEMOLITION AND UTILITY LOCATIONS IN THE AREA OF DEMOLITION.



0' 2' 4' 8' 16'



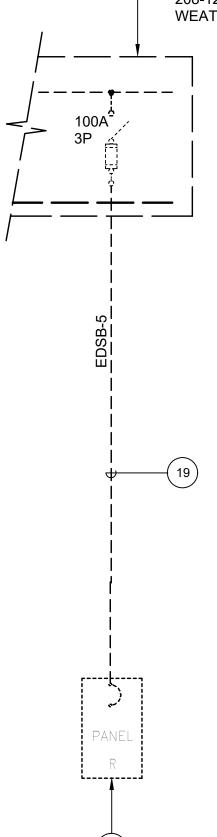


FEEDER SCHEDULE						
		PER CO HW 600		-		
		NDUIT E AND	CONDU	ICTORS IN EA	CH CIRCU	
FEEDER TYPE		NTITY	PHASE	EQUIPMEI GROUNI		
	QUAN.	SIZE	QUAN.	SIZE	WIRE SIZ	
F20	1	3/4"	4	12	12	
F30	1	3/4"	4	10	10	
F40	1	1"	4	8	10	
F50	1	1 1/4"	4	6	10	
F60	1	1 1/2"	4	4	10	
F70	1	1 1/2"	4	4	8	
F80	1	2"	4	2	8	
F90	1	2"	4	2	8	
F100	1	2"	4	1	8	
F110	1	2"	4	1	6	
F125	1	2"	4	1/0	6	
F150	1	2"	4	1/0	6	
F225	1	3"	4	4/0	4	
F250	1	3"	4	250MCM	4	
F300	1	4"	4	350MCM	4	
F350	1	4"	4	500MCM	2	
F400	2	2 1/2"	4	3/0	2	
F500	2	3"	4	250MCM	2	
F600	2	4"	4	350MCM	1	
F700	2	4"	4	500MCM	1/0	
F800	3	4"	4	350MCM	1/0	
F80/N	1	1 1/4"	3	2	8	
F90/N	1	1 1/4"	3	2	8	
F100/N	1	1 1/2"	3	1	8	
F125/N	1	2"	3	1/0	6	
F150/N	1	2"		1/0	6	
F175/N	1	2"	3	2/0	6	
F250/N	1	3"	3	250MCM	4	

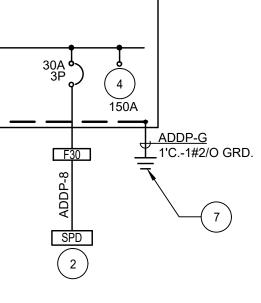
ADMIN BLDG. SINGLE LINE DIAGRAM-NEW SCALE: NONE



- (E)PARTIAL DISTRIBUTION SWITCHBOARD "EDSB" (19) 1200A 208-120V, 3PH, 4W WEATHERPROOF



BLDG D SINGLE LINE DIAGRAM-NEW SCALE: NONE



SINGLE LINE DIAGRAM NOTES PHASE-1:

) INTERCEPT EXISTING SPARE CIRCUIT BREAKER OF EXISTING SWITCHGEAR AND ADD NEW FEEDER AND EXTEND AS INDICATED. PROVIDE HIGH VOLTAGE CONNECTION AS REQUIRED PER SPECIFICATIONS.

- (2) PROVIDE SURGE PROTECTION DEVICE MOUNTED ADJACENT TO PANELBOARD.
- PROVIDE 12" x 12" BOTTOMLESS CONCRETE PULLBOX WITH PEAGRAVEL BASE AND CHEMICAL ASSEMBLY GROUND ROD. MOUNT PULLBOX FLUSH
- ON GRADE AND ENGRAVE COVER "GROUND" QUANTITY AS REQUIRED TO ACHIEVE 25 OHMS TO GROUND MAXIMUM.
- 4) PROVIDE SPACE FOR TWO(2) FUTURE OVERCURRENT PROTECTION DEVICES SIZE ,AS INDICATED.

INTERCEPT AT EXISTING PANEL 'S FEEDER IN ELECTRICAL ROOM AND REROUTE TO NEW DISTRIBUTION PANELBOARD AS INDICATED. PROVIDE NEW CONDUCTORS IN EXISTING AND NEW CONDUITS. SEE SHEET E2.1 DETAIL "4" FOR MORE INFORMATION.

- (6) PROVIDE 3"C-5 KV, (3)1/O-1#1GRD CABLE.
- 7) CONNECT TO GROUNDING SYSTEM AS DEFINED BY NOTE #3.
- 8 DISCONNECT AND REMOVE EXISTING SWITCHBOARD.
- $\left(\begin{array}{c} q \end{array}\right)$ DISCONNECT AND REMOVE EXISTING TRANSFORMER.
- $\binom{10}{10}$ DISCONNECT AND REMOVE EXISTING FEEDER INCLUDING CONDUCTORS AND EXPOSED CONDUIT.
- (11) DISCONNECT AND REMOVE EXISTING 2400V FEEDER FROM CAMPUS POINT OF CONNECTION. REMOVE CONDUCTORS AND ABANDON POINT CONCEALED CONDUITS. VERIFY POINT OF CONNECTION.
- (12) COMBINATION HIGH VOLTAGE 5KV SWITCH AND TRANSFORMER.
- (13) UTILIZE EXISTING CONDUIT AND PROVIDE NEW CONDUCTORS, SIZE AS INDICATED.
- (14) TO "ADDP" DISTRIBUTION PANELBOARD. SEE DETAIL '2" FOR ADDITIONAL INFORMATION.

(15) DISCONNECT AND REMOVE EXISTING PANEL INCLUDING ALL EXISTING CIRCUIT BREAKER, BUSSING AND INTERNAL HARDWARE WHILE PROTECTING ALL EXISTING CIRCUIT CONDUCTORS. REMOVE EXISTING PANELBOARD ENCLOSURE AND INSTALL NEW PANELBOARD AT THE SAME LOCATION. EXTEND EXISTING AND NEW BRANCH CIRCUIT WIRING TO NEW PANELBOARD. SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION.

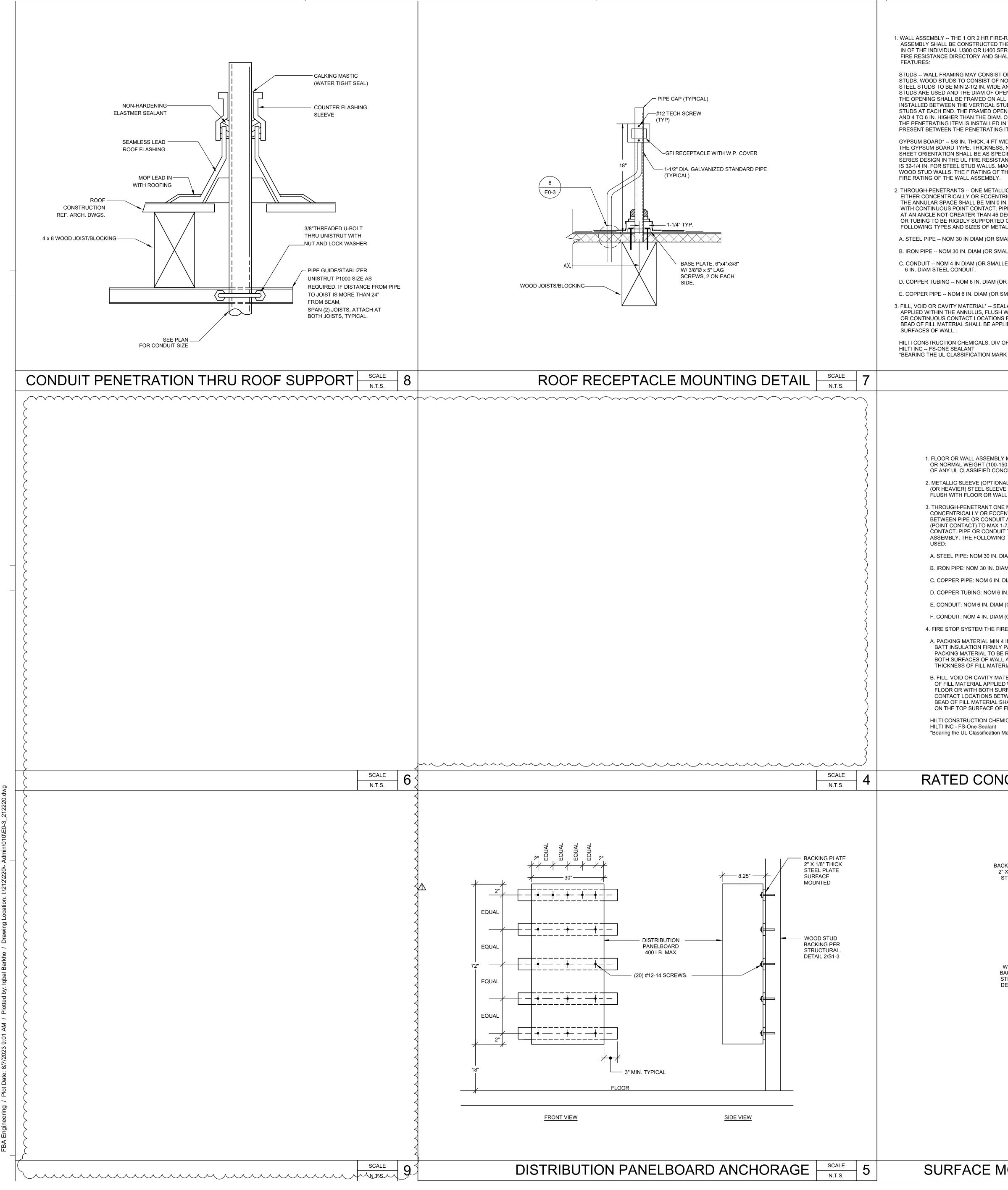
- (16) INTERCEPT AT EXISTING CONDUIT TO EXISTING PANEL AND REROUTE IT TO NEW PANEL. PROVIDE NEW CONDUCTORS IN NEW AND EXISTING CONDUITS SIZE AS INDICATED. SEE PLANS SEE PLANS FOR ADDITIONAL INFORMATION.
- (17) INTERCEPTION POINT OF EXISTING FEEDER IN ADMIN BLDG. ELECTRICAL ROOM.
- (18) EXISTING PANEL TO REMAIN DURING RENOVATION OF ADMIN BUILDING AND SHALL BE REMOVED
- AFTER COMPLETION OF RENOVATION. (19) REMOVE THIS FEEDER AFTER COMPLETION OF RENOVATION PROJECT.

SINGLE LINE DIAGRAM GENERAL NOTES:

- 1. ALL FEEDER LENGTHS INDICATED ON THE SINGLE LINE DIAGRAM ARE ONLY FOR CALCULATION PURPOSES AND NOT FOR TAKE-OFF.
- 2. UNLESS NOTED OTHERWISE, ALL 480/277V PANELS SHALL BE RATED FOR MINIMUM 14,000 AMP. AIC.
- 3. UNLESS NOTED OTHERWISE, ALL 208/120V PANELS SHALL BE RATED FOR MINIMUM 10,000 AMP. AIC.



A



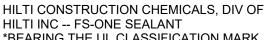
1. WALL ASSEMBLY -- THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED THE MATERIALS AND IN THE MANNER SPECIFIED IN OF THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION

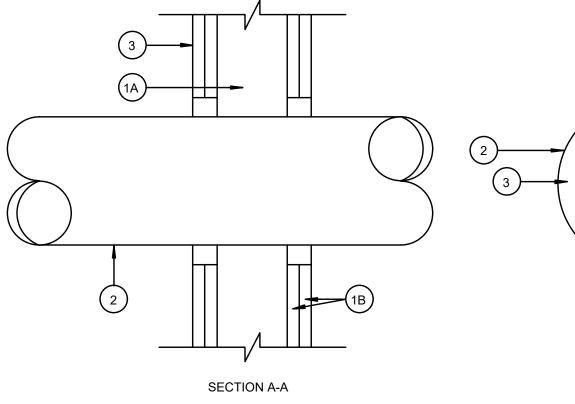
STUDS -- WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM. OF THE PENETRATING ITEM SUCH THAT WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.

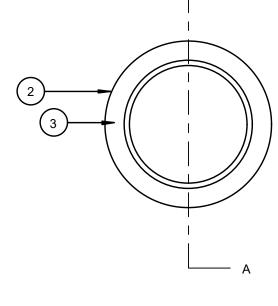
GYPSUM BOARD* -- 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.

2. THROUGH-PENETRANTS -- ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED: A. STEEL PIPE -- NOM 30 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE. B. IRON PIPE -- NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE. C. CONDUIT -- NOM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR

D. COPPER TUBING -- NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. E. COPPER PIPE -- NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. 3. FILL, VOID OR CAVITY MATERIAL* -- SEALANT -- MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH







System No. W-L-1054 F Ratings - 1 and 2 Hr (See Items 1 and 3)

T Rating - 0 Hr

L Rating At Ambient - Less Than 1 CFM/Sq Ft L Rating At 400 F - 4 CFM/Sq Ft

RATED STUD WALL FIRE STOP DETAIL

- (3

SECTION A-A

L Rating At Ambient - Less than 1 CFM/Sq Ft

L Rating At 400 F - 4 CFM/Sq Ft

(4B)

(2)

4A)-

System No. C-AJ-1226

F RATING = 3-HR.

T RATING = 0-HR.

1. FLOOR OR WALL ASSEMBLY MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETÉ BLOCKS*. MAX DIAM OF OPENING IS 32 IN.

2. METALLIC SLEEVE (OPTIONAL) NOM 32 IN. DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY FLUSH WITH FLOOR OR WALL SURFACES.

3. THROUGH-PENETRANT ONE METALLIC PIPE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1-7/8 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE

A. STEEL PIPE: NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE. B. IRON PIPE: NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

C. COPPER PIPE: NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. D. COPPER TUBING: NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

E. CONDUIT: NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT.

F. CONDUIT: NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT). 4. FIRE STOP SYSTEM THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL MIN 4 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

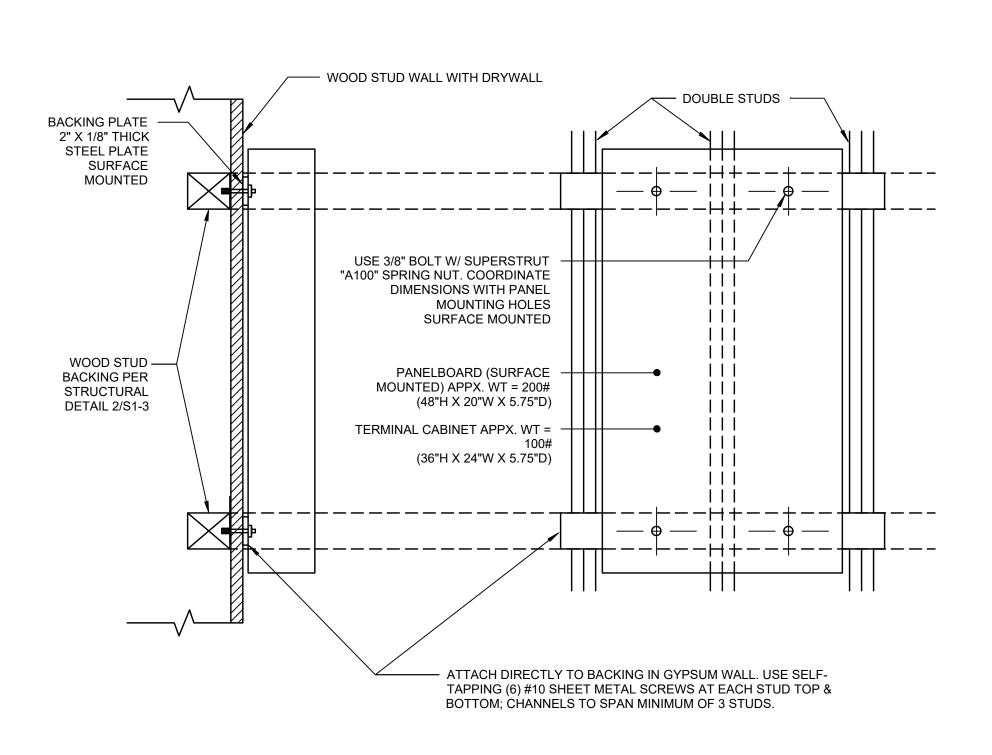
B. FILL, VOID OR CAVITY MATERIAL* -- SEALANT MIN 1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND CONCRETE, A MIN 1/4 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-One Sealant *Bearing the UL Classification Marking

RATED CONCRETE FLOOR/WALL SINGLE CONDUIT FIRE STOP DETAIL 3CALE 2



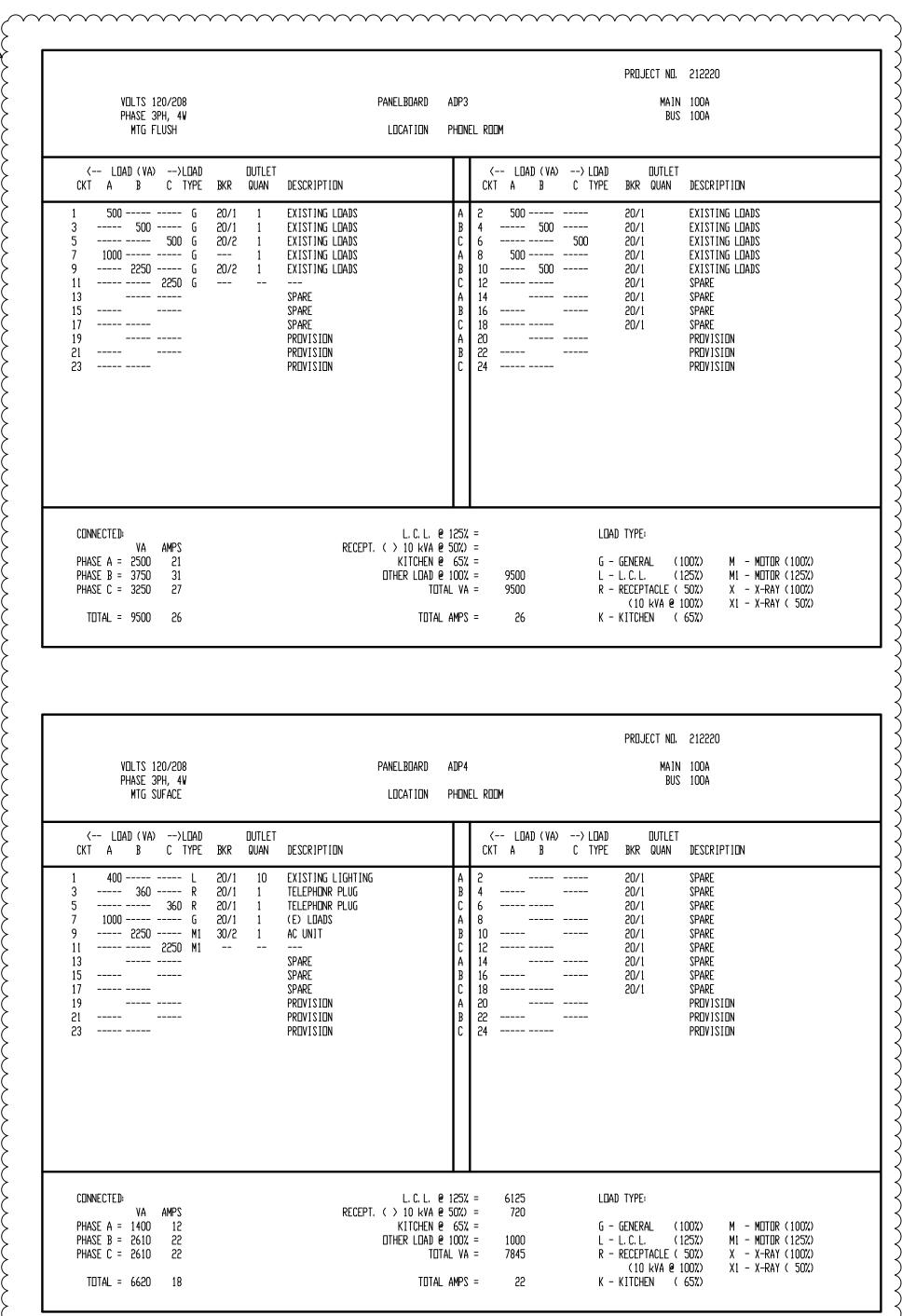
_____ A



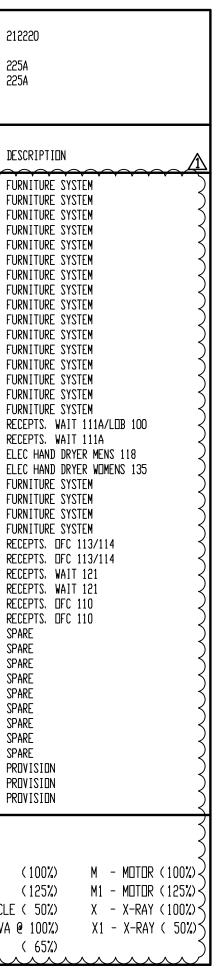


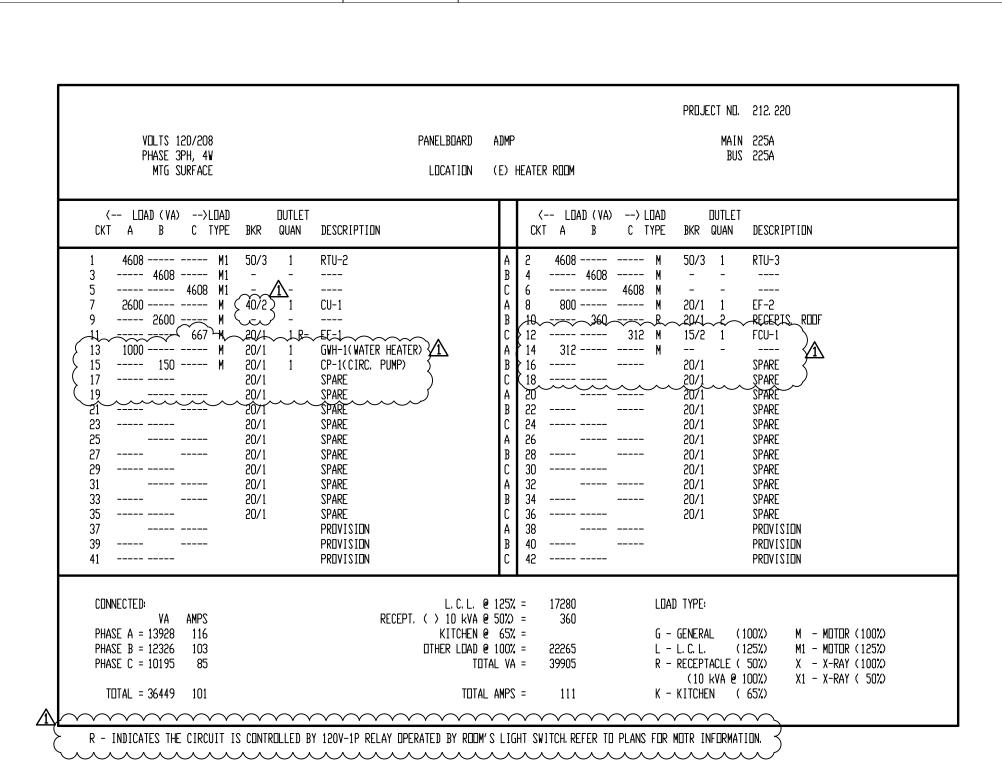
	ELECTRICAL EQUIPMENT SCHEDULE								
PANEL	LOCATIONS	SHEET NUMBER	EQUIPMENT/SYSTEM DESCRIPTION	MAX WEIGHT (LBS)	HEIGHT(IN)	WIDTH (IN.)	MOUNTING TYPE	ANCHOR DETAIL	
ADL1	(E) MAIL ROOM	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3	
ADP1	(E) MAIL ROOM	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3	
ADP2	(E) MAIL ROOM	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3	
MDF	(E) TELE. EQUIP	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3	
ADMP	(E) HEATER ROOM	E2-1	DIST. PANEL	400	72"	12"	WALL	5/E0-3	

DUTLET BKR QUAN 20/1 1 20/1 4 20/1 3 20/1 4 20/1 4 20/1 4	DESCRIPTION FURNITURE SYSTEM FURNITURE SYSTEM MOTOR SHADES OPEN DFC 110 DRINKING FDUNTAIN RECEPTS. DFC 127/128 RECEPTS. DFC 127/128 RECEPTS. DFC 125/126 RECEPTS. DFC 125/126 RECEPTS. DFC 125/126 RECEPTS. DFC 123/124 RECEPTS. DFC 123/124 RECEPTS. DFC 123/124 RECEPTS. LDUNGE 102/MENS 118 RECEPTS. DFC 111B/112/113	A B C A B C	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	BKR QUAN 20/1 1 20/1 3 20/1 1 20/1 1 20/1 1 20/1 1 20/1 1 20/1 1 20/1 1 20/1 1 20/1 1 20/1 1	FUI FUI FUI FUI FUI FUI FUI FUI FUI FUI
$\begin{array}{ccccc} 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 4 \\ 20/1 & 4 \\ 20/1 & 4 \\ 20/1 & 3 \\ 20/1 & 5 \\ 20/1 & 4 \end{array}$	FURNITURE SYSTEM FURNITURE SYSTEM MIDTOR SHADES OPEN DFC 110 DRINKING FDUNTAIN RECEPTS. DFC 127/128 RECEPTS. DFC 127/128 RECEPTS. DFC 127/128 RECEPTS. DFC 127/128 RECEPTS. DFC 125/126 RECEPTS. DFC 125/126 RECEPTS. DFC 123/124 RECEPTS. DFC 123/124 RECEPTS. MAILRDIM 134 RECEPTS. LDUNGE 102/MENS 118	B C A C A	4 900 R 6 900 R 8 900 R 10 900 R 12 900 R 14 900 R 16 900 R 20 900 R 22 900 R 24 900 R 24 900 R 26 900 R 28 900 R 26 900 R 30 900 R 31 900 R 32 900 R 34 540 R 38 1200 R 40 1200 R 42 900 R <th>$\begin{array}{ccccc} 20/1 & 1 \\ 20/1 & 3 \\ 20/1 & 3 \\ 20/1 & 1 \\$</th> <th>FUI FUI FUI FUI FUI FUI FUI FUI FUI FUI</th>	$\begin{array}{ccccc} 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 1 \\ 20/1 & 3 \\ 20/1 & 3 \\ 20/1 & 1 \\ $	FUI FUI FUI FUI FUI FUI FUI FUI FUI FUI
2D/1 3 2D/1 6 2D/1 5 2D/1 4 2D/1 2 2D/1 6 2D/1 3 2D/1 3 2D/1 3 2D/1 3 2D/1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 </td <td>RECEPTS. DFC 111D/112/113 RECEPTS. DFC 111D/112/113 RECEPTS. WAIT 111A RECEPTS. CDNF. 118 RECEPTS. DFC 115/116 RECEPTS. DFC 115/116 RECEPTS. DFC 110/120 RECEPTS. DFC 110/120 SPARE</td> <td>B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C</td> <td>46 900 R 48 900 R 50 540 R 52 360 R 54 720 R 56 720 R 58 540 R 60 540 R 62 540 R 64 540 R 66 540 R 68 70 74 75 76 78 80 84 </td> <td>20/1 1 20/1 3 20/1 2 20/1 4 20/1 4 20/1 3 20/1 3 20/1 3 20/1 3 20/1 2 20/1 1 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</td> <td>FUI FUI FUI REC REC REC REC REC SPI SPI SPI SPI SPI SPI SPI PRI PRI</td>	RECEPTS. DFC 111D/112/113 RECEPTS. DFC 111D/112/113 RECEPTS. WAIT 111A RECEPTS. CDNF. 118 RECEPTS. DFC 115/116 RECEPTS. DFC 115/116 RECEPTS. DFC 110/120 RECEPTS. DFC 110/120 SPARE	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C	46 900 R 48 900 R 50 540 R 52 360 R 54 720 R 56 720 R 58 540 R 60 540 R 62 540 R 64 540 R 66 540 R 68 70 74 75 76 78 80 84	20/1 1 20/1 3 20/1 2 20/1 4 20/1 4 20/1 3 20/1 3 20/1 3 20/1 3 20/1 2 20/1 1 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 20/1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	FUI FUI FUI REC REC REC REC REC SPI SPI SPI SPI SPI SPI SPI PRI PRI
AMPS 138 132 138	RECEPT. (> 10 kVA KITCHEN DTHER LDAD	@ 50 @ 6 @ 10)%) = 29240 5% = 0 10% = 360	LDAD TYPE: G - GENERAL L - L. C. L. R - RECEPTAC	
	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	20/1 SPARE 20/1 SPARE 20/1 SPARE 20/1 SPARE 20/1 SPARE 20/1 SPARE 20/1 SPARE 20/1 SPARE 20/1 SPARE 20/1 SPARE PROVISION PROVISION PROVISION PROVISION L. C. L. AMPS L. C. L. AMPS RECEPT. (> 10 kVA 138 KITCHEN 132 OTHER LOAD 138	20/1 SPARE B 20/1 SPARE C PREVISION C C AMPS RECEPT. (> 10 kVA @ 50 138 KITCHEN @ 6 132 DTHER LOAD @ 10 133 TOTAL 136 TOTAL AM	20/1 SPARE PREVISION R PREVISION R B C AMPS RECEPT. (> 10 kVA @ 50%) = 29240 138 KITCHEN @ 65% = 0 138 ITHER LIDAD @ 100% = 360 138 TITAL VA = 29600	20/1 SPARE B 64 20/1 20/1 SPARE C 66 20/1 20/1 SPARE B 64 20/1 20/1 SPARE B 66 20/1 20/1 SPARE B 70 20/1 20/1 SPARE C 72 20/1 20/1 SPARE B 76 20/1 20/1 SPARE C 78 20/1 20/1 SPARE C 18 82 38 KITCHEN © 65% = <



VELTS 120/208 Phase 3Ph, 4W MTG SUFACE			PANELBOARD LOCATION	adp4 Phone	el room	PROJECT ND. MAIN BUS	100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	BKR QUAN 20/1 10 20/1 1 20/1 1 20/1 1 30/2 1	DESCRIPTION EXISTING LIGHTING TELEPHONR PLUG (E) LOADS AC UNIT SPARE SPARE SPARE PROVISION PROVISION PROVISION		A B C A B C A B C A B C A B C A B C	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	BKR QUAN 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	DES SPA SPA SPA SPA SPA SPA SPA SPA PRI PRI
CONNECTED: VA AMPS PHASE A = 1400 12 PHASE B = 2610 22 PHASE C = 2610 22 TOTAL = 6620 18		RECEPT.		50%) 50%)	= 720 = G - = 1000 L - = 7845 R -	L. C. L. (1 RECEPTACLE ((10 kVA @ 1	





VOLTS 120/208 PHASE 3PH, 4W MTG SUFACE	PROJECT NO. PANELBOARD ADL1 MAIN BUS LOCATION ELECTRICAL ROOM	1004
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	17 LIGHTING - CORRIDOR/LOBBY A 2 20/1	DESCRIPTION SPARE
CONNECTED: VA AMPS PHASE A = 1034 9 PHASE B = 430 4 PHASE C = 2206 18 TOTAL = 3670 10		00%) X1 - X-RAY (50%)

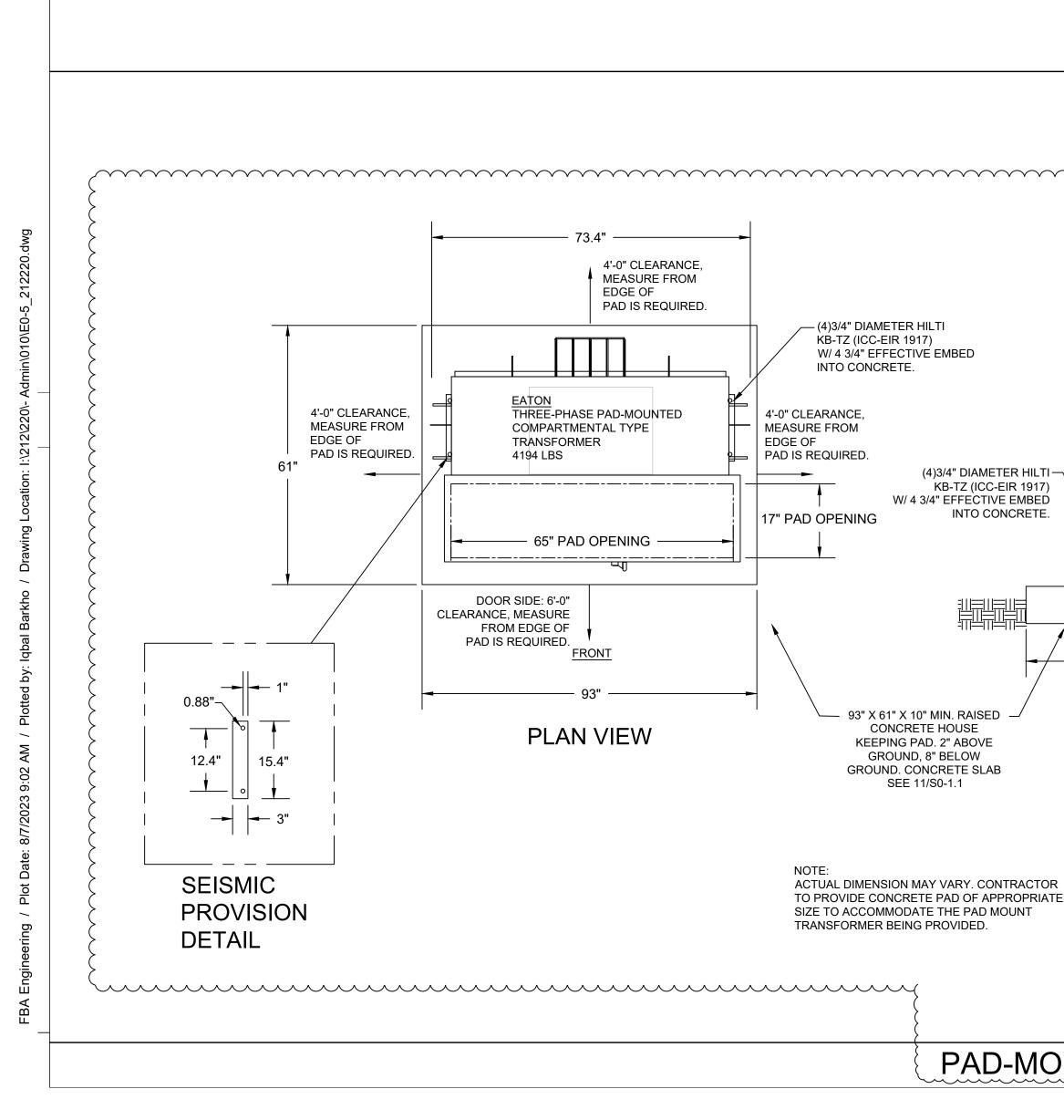
VOLTS 120/208 Phase 3Ph, 4V MTG Recessed		PR DP1 TDRAGE 145	idject nd. Main Bus	
<pre>< LEAD (VA)>LEAD CKT A B C TYPE BKI </pre>	DUTLET QUAN DESCRIPTION		DUTLET (R QUAN	
$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 (E)PRESIDENT DIR DFFICE LTS 1 (E)SECRATARY DFFICE LTS 1 (E)LTS 1 (E)LTS BDARDRODM 1 (E)REC PRES & SEC 1 (E)REC DIR SEC 1 (E)FLR DUCT PRES DIR 1 (E)REC BDARDRODM EAST 1 (E)FLR DUCT PRES DIR 1 (E)REC BDARDRODM EAST 1 MUTOR SHADE OFC 148 1 MUTOR SHADE CONF 152 1 (E)DUTSIDE LTS 1 (E)TEL BB 1 SPARE 1 SPARE 1 SPARE 1 SPARE	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	V/1 V/1 V/1 V/1 V/1 V/1 V/1 V/1 V/1 V/1	(E)REC WORK ROOM MIMED (E)REC WORK ROOM MIMED (E)FLOOR DUCT (E)NORTH WING REC (E)PA CONSOLE SPARE SPARE SPARE SPARE (E)PA SEL SW PANEL (E)TIME SWITCH FLAG POLE (E)TIME SWITCH FLAG POLE (E)TIME SWITCH FLAG POLE (E)FAN SER RM+REF (E)LTS SERV RM (E)DISPOSAL (E)LOAD (E)LOAD (E)PLUG FLR POLISHER RECEPT, STORAGE 145
CONNECTED: VA AMPS PHASE A = 6960 58 PHASE B = 6120 51 PHASE C = 4170 35	L. C. L. @ 1 RECEPT. () 10 kVA @ 5 KITCHEN @ DTHER LOAD @ 1 TOTAL	0%) = 9180 65% = G - GEN 00% = 6750 L - L. C. VA = 17580 R - RECI	ERAL (1 .L. (1 EPTACLE (
TOTAL = 17250 48	total 4		10 kVA @ 1 CHEN (00%) X1 - X-RAY (50%) 65%)

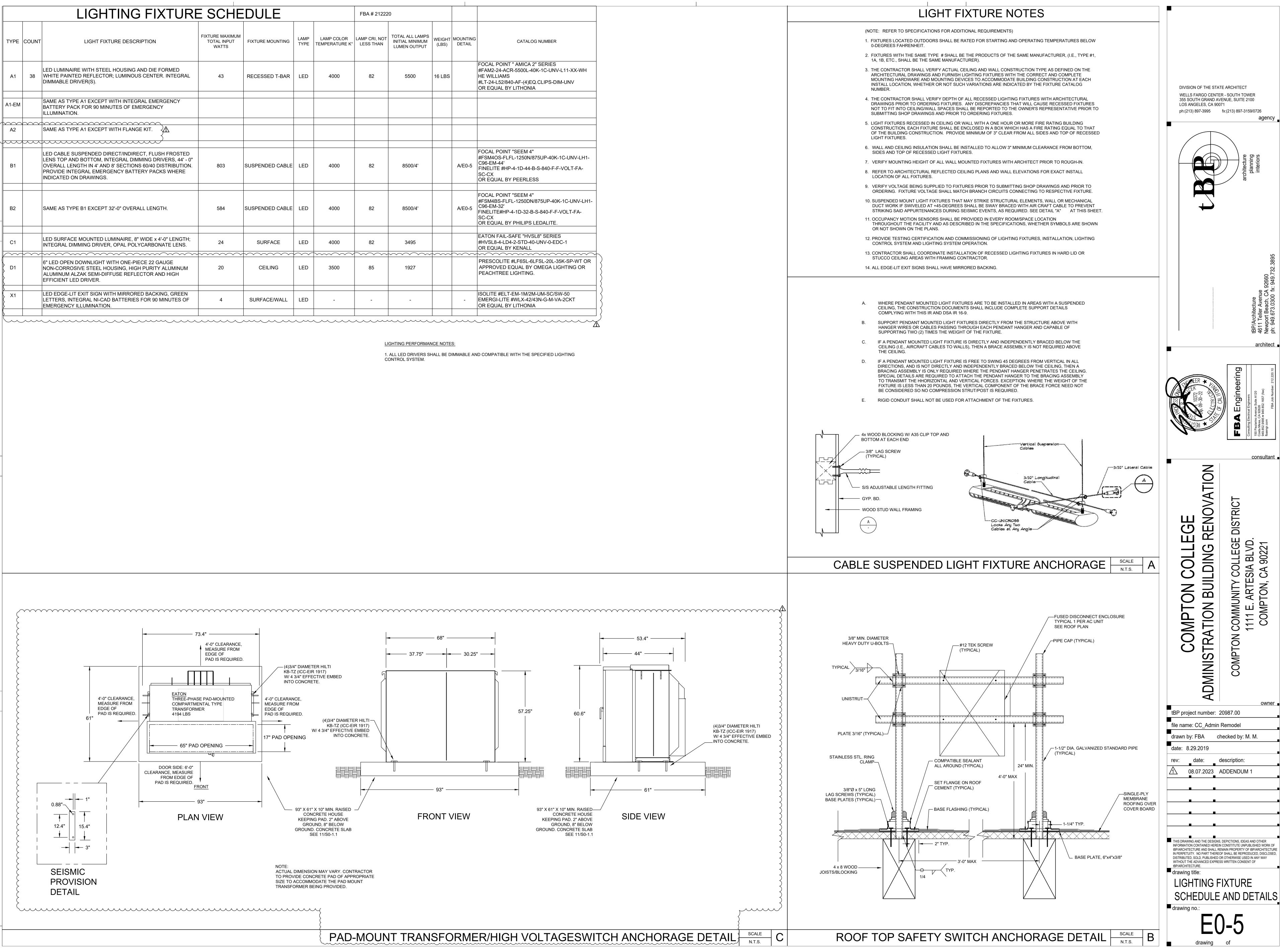
PANEL SCHEDULE KEYPLAN

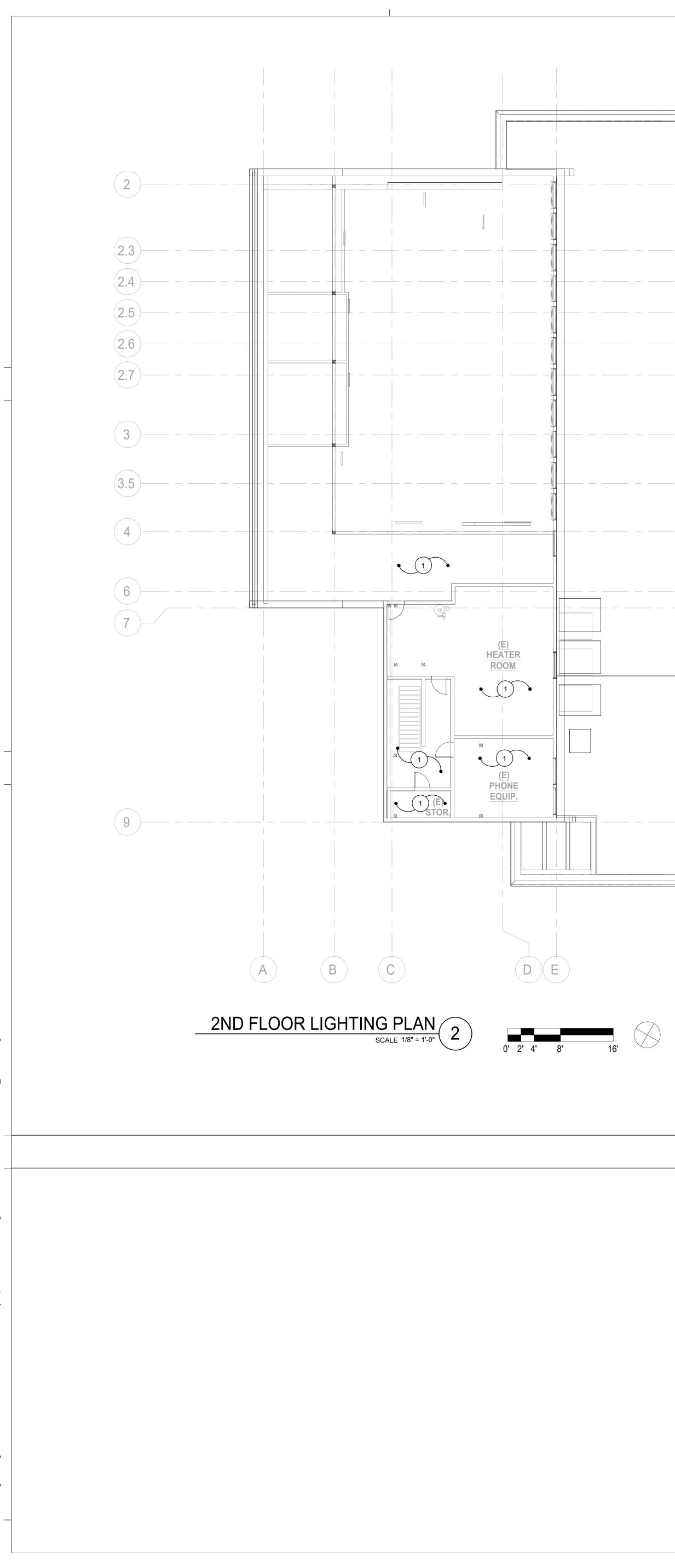
[ADP2	ADMP		
l I				
	ADP3	ADL1		
	ADP4	ADP1		



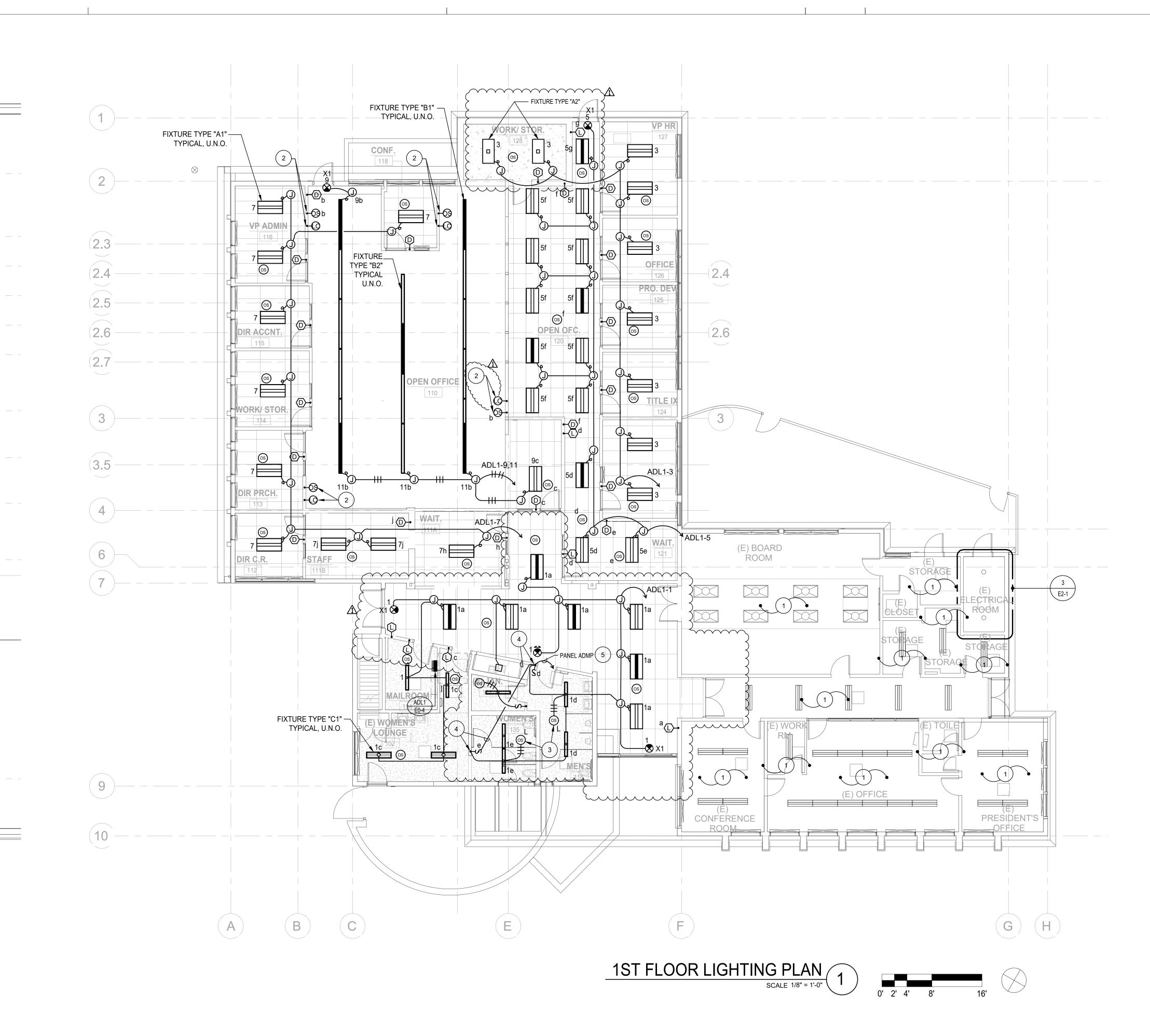
		LIGHTING FIXTUR	<u>E SCHE</u>	DULE			FBA # 21222	20		
YPE CC	DUNT	LIGHT FIXTURE DESCRIPTION	FIXTURE MAXIMUM TOTAL INPUT WATTS	FIXTURE MOUNTING	LAMP TYPE	LAMP COLOR TEMPERATURE K°	LAMP CRI, NOT LESS THAN	TOTAL ALL LAMPS INITIAL MINIMUM LUMEN OUTPUT	WEIGHT MOUNTING (LBS) DETAIL	CATALOG NUMBER
A1	38	LED LUMINAIRE WITH STEEL HOUSING AND DIE FORMED WHITE PAINTED REFLECTOR; LUMINOUS CENTER. INTEGRAL DIMMABLE DRIVER(S).	43	RECESSED T-BAR	LED	4000	82	5500	16 LBS	FOCAL POINT " AMICA 2" SERIES #FAM2-24-ACR-5500L-40K-1C-UNV-L11-XX-WH HE WILLIAMS #LT-24-L52/840-AF-(4)EQ.CLIPS-DIM-UNV OR EQUAL BY LITHONIA
1-EM		SAME AS TYPE A1 EXCEPT WITH INTEGRAL EMERGENCY BATTERY PACK FOR 90 MINUTES OF EMERGENCY ILLUMINATION.								
A2		SAME AS TYPE A1 EXCEPT WITH FLANGE KIT.								
B1		LED CABLE SUSPENDED DIRECT/INDIRECT, FLUSH FROSTED LENS TOP AND BOTTOM, INTEGRAL DIMMING DRIVERS, 44' - 0" OVERALL LENGTH IN 4' AND 8' SECTIONS 60/40 DISTRIBUTION. PROVIDE INTEGRAL EMERGENCY BATTERY PACKS WHERE INDICATED ON DRAWINGS.	803	SUSPENDED CABLE	LED	4000	82	8500/4'	A/E0-5	FOCAL POINT "SEEM 4" #FSM4OS-FLFL-1250N/875UP-40K-1C-UNV-LH1- C96-EM-44' FINELITE #HP-4-1D-44-B-S-840-F-F-VOLT-FA- SC-CX OR EQUAL BY PEERLESS
B2		SAME AS TYPE B1 EXCEPT 32'-0" OVERALL LENGTH.	584	SUSPENDED CABLE	LED	4000	82	8500/4'	A/E0-5	FOCAL POINT "SEEM 4" #FSM4BS-FLFL-1250DN/875UP-40K-1C-UNV-LH C96-EM-32' FINELITE#HP-4-1D-32-B-S-840-F-F-VOLT-FA- SC-CX OR EQUAL BY PHILIPS LEDALITE.
C1		LED SURFACE MOUNTED LUMINAIRE, 8" WIDE x 4'-0" LENGTH; INTEGRAL DIMMING DRIVER, OPAL POLYCARBONATE LENS.	24	SURFACE	LED	4000	82	3495		EATON FAIL-SAFE "HVSL8" SERIES #HVSL8-4-LD4-2-STD-40-UNV-0-EDC-1 OR EQUAL BY KENALL
D1		6" LED OPEN DOWNLIGHT WITH ONE-PIECE 22 GAUGE NON-CORROSIVE STEEL HOUSING, HIGH PURITY ALUMINUM ALUMINUM ALZAK SEMI-DIFFUSE REFLECTOR AND HIGH EFFICIENT LED DRIVER.	20	CEILING	LED	3500	85	1927		PRESCOLITE #LF6SL-6LFSL-20L-35K-SP-WT OF APPROVED EQUAL BY OMEGA LIGHTING OR PEACHTREE LIGHTING.
X1		LED EDGE-LIT EXIT SIGN WITH MIRRORED BACKING, GREEN LETTERS, INTEGRAL NI-CAD BATTERIES FOR 90 MINUTES OF EMERGENCY ILLUMINATION.	4	SURFACE/WALL	LED	-	-	-	-	ISOLITE #ELT-EM-1M/2M-UM-SC/SW-50 EMERGI-LITE #WLX-42/43N-G-M-VA-2CKT OR EQUAL BY LITHONIA







FBA Engineering / Plot Date: 8/7/2023 9:02 AM / Plotted by: Iqbal Barkho / Drawing Location: I:\212\220\- Admin\010\E1-1_212220.dw

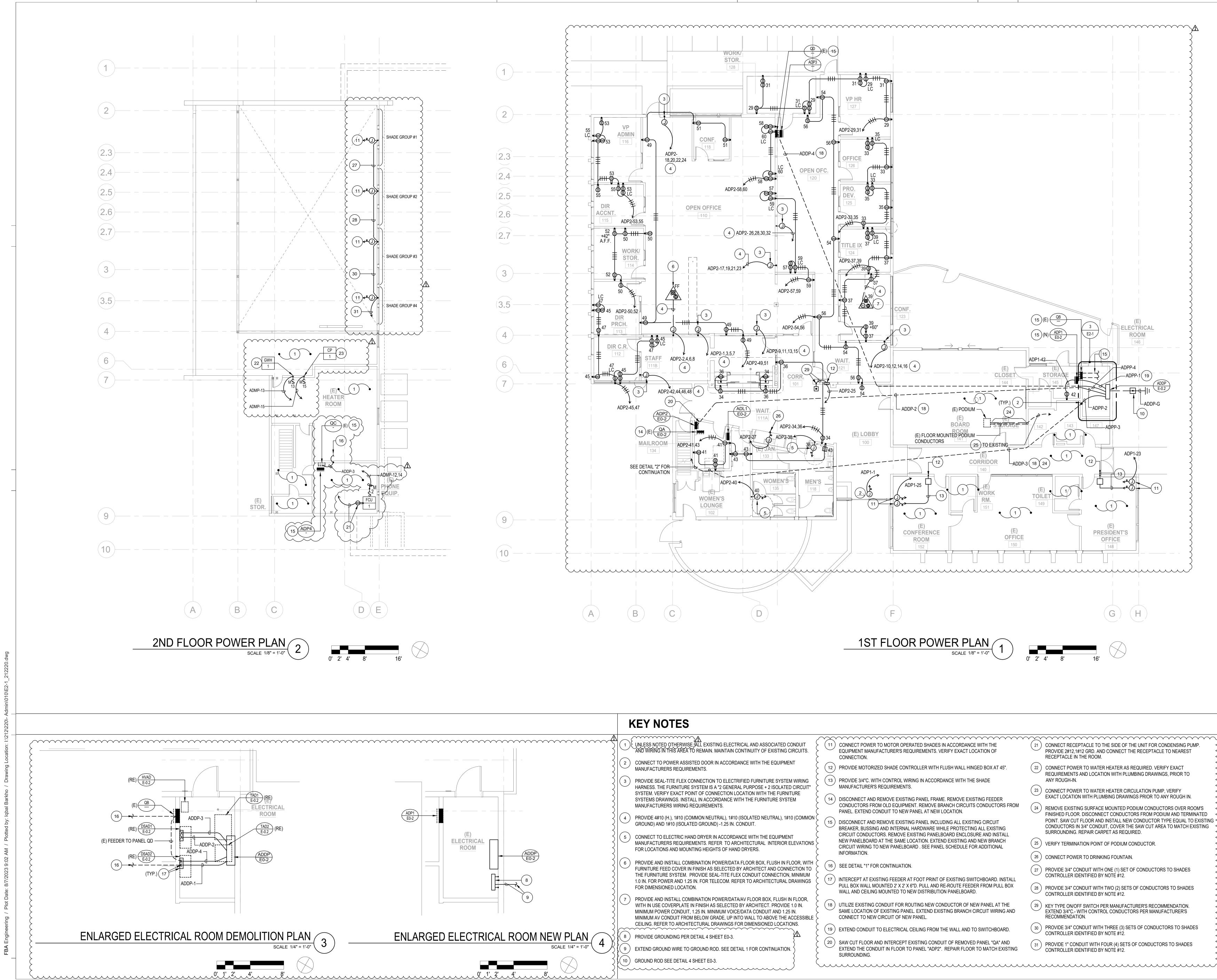


KEY NOTES
 ALL EXISTING LIGHTING, CONDUIT, WIRING AND CONTROLS IN THIS AREA TO REMAIN. MAINTAIN CONTINUITY OF EXISTING CIRCUITS. WALL MOUNT, HIGH ON WALL. PROVIDE LINE VOLTAGE OCCUPANCY SENSOR. INTERCONNECT TO ON/OFF SWITCHES IN SUCH A WAY OF EACH SWITCH CAN TURN-ON ROOM'S EXHAUST FAN. PROVIDE 3/4"C 2#12, 1#12 GRD. TO PANEL INDICATED. INTERLOCK TWO ON/OFF SWITCHES WITH RELAY SERVING EXHAUST FAN EF-1 SO THAT UPON TURN-ON OF EACH ON/OFF SWITCH FAN WILL BE OPERATED.

LIGHTING CONTROL PERFORMANCE NOTES:

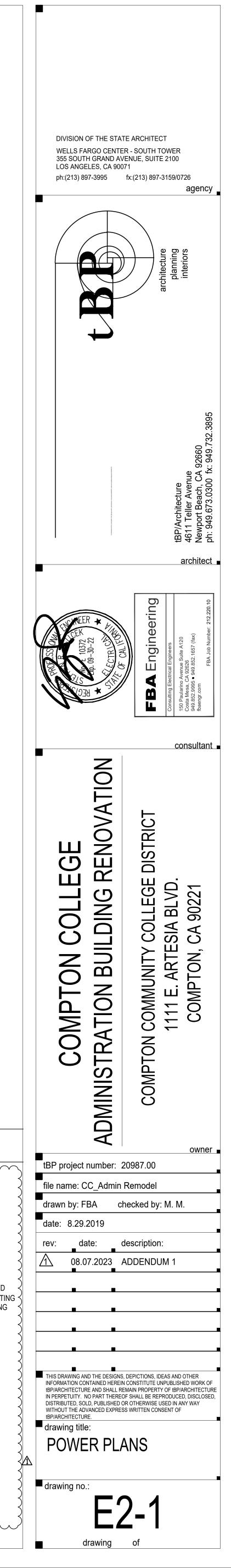
- 1. LIGHTING CONTROL WIRING NOT SHOWN ON LIGHTING PLANS FOR CLARITY. REFER TO LIGHTING CONTROL DIAGRAMS AND SPECIFICATIONS FOR LIGHTING CONTROL SYSTEM DEVICE AND WIRING REQUIREMENTS. CONTRACTOR SHALL INCLUDE ALL COSTS IN BID FOR A COMPLETE AND OPERABLE SYSTEM.
- 2. THE ABOVE CEILING SPACE IS AN OPEN-AIR PLENUM. CONTRACTOR SHALL PROVIDE ALL LIGHTING CONTROL WIRING IN MINIMUM 3/4 IN. CONDUIT. INCLUDE ALL COSTS IN BID TO COMPLY WITH THIS PROVISION.
- 3. PLACEMENT OF LIGHTING OCCUPANCY SENSORS AND LIGHT LEVEL CONTROL SENSORS ARE DIAGRAMMATIC. ALL SENSORS SHALL BE MOUNTED CENTERED IN THE CEILING TILES.
- 4. LIGHTING OCCUPANCY SENSORS SHALL BE PLACED 4 FEET FROM ANY HVAC REGISTERS WHEREVER POSSIBLE TO AVOID AIR FLOW.
- 5. CONTRACTOR SHALL INCLUDE ALL PROGRAMMING AND START UP IN BID. ALL LIGHT CONTROLS SHALL BE SET TO THE COLLEGE'S SATISFACTION.
- 6. PROVIDE LIGHTING CONTROL SYSTEM CONTROLLED RECEPTACLES IN ACCORDANCE WITH CEC TITLE-24 REQUIREMENTS. REFER TO POWER PLANS FOR CONTROLLED RECEPTACLES LOCATIONS.

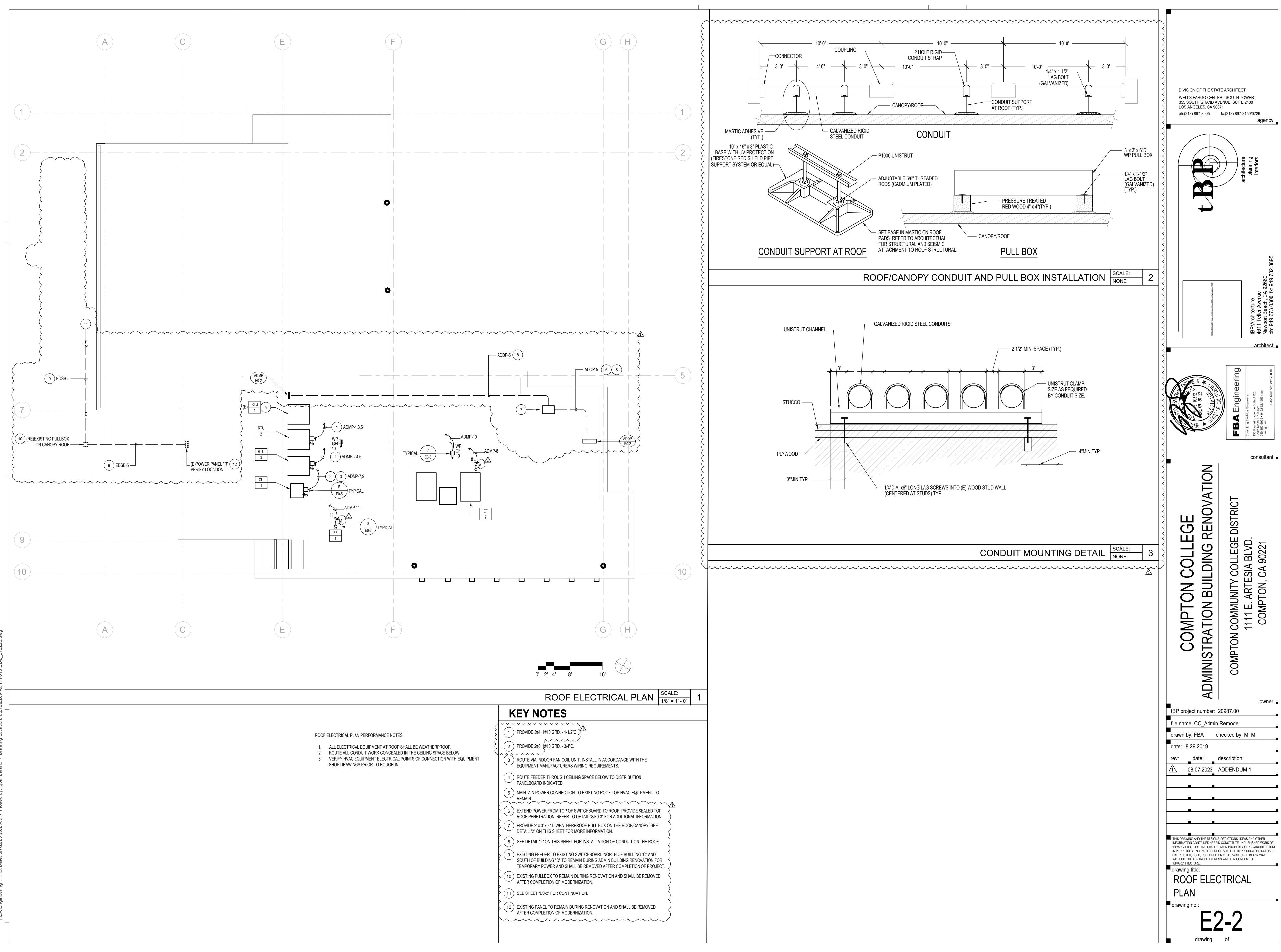


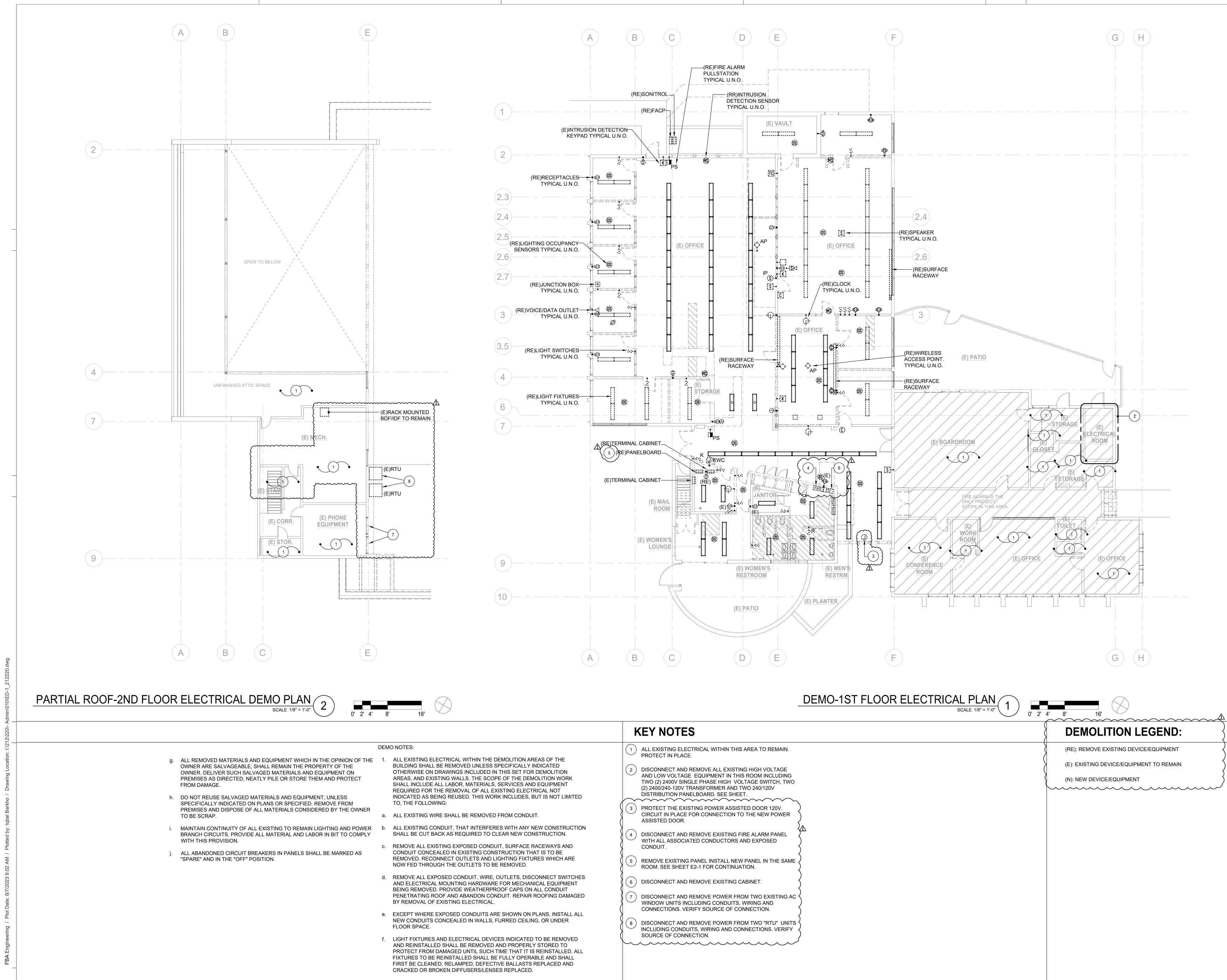




(\sim	······	\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
NDUIT CUITS.		CONNECT POWER TO MOTOR OPERATED SHADES IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. VERIFY EXACT LOCATION OF CONNECTION.	(21)	CONNECT RECEPTACLE TO THE SIDE OF THE UNIT FOR CONDENSING PUMP. PROVIDE 2#12,1#12 GRD. AND CONNECT THE RECEPTACLE TO NEAREST RECEPTACLE IN THE ROOM.
() PROVIDE MOTORIZED SHADE CONTROLLER WITH FLUSH WALL HINGED BOX AT 45".	22	CONNECT POWER TO WATER HEATER AS REQUIRED. VERIFY EXACT REQUIREMENTS AND LOCATION WITH PLUMBING DRAWINGS, PRIOR TO
WIRING (CIRCUIT" () PROVIDE 3/4"C. WITH CONTROL WIRING IN ACCORDANCE WITH THE SHADE MANUFACTURER'S REQUIREMENTS.	(23)	ANY ROUGH-IN. CONNECT POWER TO WATER HEATER CIRCULATION PUMP, VERIFY
RE (1 (14) DISCONNECT AND REMOVE EXISTING PANEL FRAME. REMOVE EXISTING FEEDER CONDUCTORS FROM OLD EQUIPMENT. REMOVE BRANCH CIRCUITS CONDUCTORS FROM	\bigcirc	EXACT LOCATION WITH PLUMBING DRAWINGS PRIOR TO ANY ROUGH IN.
((COMMON (PANEL. EXTEND CONDUIT TO NEW PANEL AT NEW LOCATION.	(24)	REMOVE EXISTING SURFACE MOUNTED PODIUM CONDUCTORS OVER ROOM'S FINISHED FLOOR. DISCONNECT CONDUCTORS FROM PODIUM AND TERMINATED
`(((15)	DISCONNECT AND REMOVE EXISTING PANEL INCLUDING ALL EXISTING CIRCUIT BREAKER, BUSSING AND INTERNAL HARDWARE WHILE PROTECTING ALL EXISTING CIRCUIT CONDUCTORS. REMOVE EXISTING PANELBOARD ENCLOSURE AND INSTALL		POINT. SAW CUT FLOOR AND INSTALL NEW CONDUCTOR TYPE EQUAL TO EXISTI CONDUCTORS IN 3/4" CONDUIT, COVER THE SAW CUT AREA TO MATCH EXISTING SURROUNDING. REPAIR CARPET AS REQUIRED.
EVATIONS ((>	NEW PANELBOARD AT THE SAME LOCATION. EXTEND EXISTING AND NEW BRANCH CIRCUIT WIRING TO NEW PANELBOARD . SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION.	25	VERIFY TERMINATION POINT OF PODIUM CONDUCTOR.
(OR, WITH			(26)	CONNECT POWER TO DRINKING FOUNTAIN.
TION TO () SEE DETAIL "1" FOR CONTINUATION.	27	PROVIDE 3/4" CONDUIT WITH ONE (1) SET OF CONDUCTORS TO SHADES CONTROLLER IDENTIFIED BY NOTE #12.
AWINGS (((PULL BOX WALL MOUNTED 2' X 2' X 6"D. PULL AND RE-ROUTE FEEDER FROM PULL BOX WALL AND CEILING MOUNTED TO NEW DISTRIBUTION PANELBOARD.	28	PROVIDE 3/4" CONDUIT WITH TWO (2) SETS OF CONDUCTORS TO SHADES CONTROLLER IDENTIFIED BY NOTE #12.
FLOOR, (0 IN. (I. (CESSIBLE (UTILIZE EXISTING CONDUIT FOR ROUTING NEW CONDUCTOR OF NEW PANEL AT THE SAME LOCATION OF EXISTING PANEL. EXTEND EXISTING BRANCH CIRCUIT WIRING AND CONNECT TO NEW CIRCUIT OF NEW PANEL.	29	KEY TYPE ON/OFF SWITCH PER MANUFACTURER'S RECOMMENDATION. EXTEND 3/4"C WITH CONTROL CONDUCTORS PER MANUFACTURER'S RECOMMENDATION.
IS. (EXTEND CONDUIT TO ELECTRICAL CEILING FROM THE WALL AND TO SWITCHBOARD.	30	PROVIDE 3/4" CONDUIT WITH THREE (3) SETS OF CONDUCTORS TO SHADES CONTROLLER IDENTIFIED BY NOTE #12.
) (20	SAW CUT FLOOR AND INTERCEPT EXISTING CONDUIT OF REMOVED PANEL "QA" AND EXTEND THE CONDUIT IN FLOOR TO PANEL "ADP2". REPAIR FLOOR TO MATCH EXISTING SURROUNDING.	31	PROVIDE 1" CONDUIT WITH FOUR (4) SETS OF CONDUCTORS TO SHADES CONTROLLER IDENTIFIED BY NOTE #12.







		KEY NOTES
DEN	IO NOTES:	1 ALL EXISTING ELECTRICAL WITHIN THIS AREA TO REMAIN.
1.	ALL EXISTING ELECTRICAL WITHIN THE DEMOLITION AREAS OF THE BUILDING SHALL BE REMOVED UNLESS SPECIFICALLY INDICATED OTHERWISE ON DRAWINGS INCLUDED IN THIS SET FOR DEMOLITION AREAS, AND EXISTING WALLS. THE SCOPE OF THE DEMOLITION WORK SHALL INCLUDE ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT REQUIRED FOR THE REMOVAL OF ALL EXISTING ELECTRICAL NOT INDICATED AS BEING REUSED. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:	 PROTECT IN PLACE. 2 DISCONNECT AND REMOVE ALL EXISTING HIGH VOLTAGE AND LOW VOLTAGE EQUIPMENT IN THIS ROOM INCLUDING TWO (2) 2400V SINGLE PHASE HIGH VOLTAGE SWITCH, TWO (2) 2400/240-120V TRANSFORMER AND TWO 240/120V DISTRIBUTION PANELBOARD. SEE SHEET.
a.	ALL EXISTING WIRE SHALL BE REMOVED FROM CONDUIT.	3 PROTECT THE EXISTING POWER ASSISTED DOOR 120V. CIRCUIT IN PLACE FOR CONNECTION TO THE NEW POWER ASSISTED DOOR.
b.	ALL EXISTING CONDUIT, THAT INTERFERES WITH ANY NEW CONSTRUCTION SHALL BE CUT BACK AS REQUIRED TO CLEAR NEW CONSTRUCTION.	4 DISCONNECT AND REMOVE EXISTING FIRE ALARM PANEL
C.	REMOVE ALL EXISTING EXPOSED CONDUIT, SURFACE RACEWAYS AND CONDUIT CONCEALED IN EXISTING CONSTRUCTION THAT IS TO BE REMOVED. RECONNECT OUTLETS AND LIGHTING FIXTURES WHICH ARE NOW FED THROUGH THE OUTLETS TO BE REMOVED.	5 REMOVE EXISTING PANEL INSTALL NEW PANEL IN THE SAME ROOM. SEE SHEET E2-1 FOR CONTINUATION.
d.	REMOVE ALL EXPOSED CONDUIT, WIRE, OUTLETS, DISCONNECT SWITCHES AND ELECTRICAL MOUNTING HARDWARE FOR MECHANICAL EQUIPMENT BEING REMOVED. PROVIDE WEATHERPROOF CAPS ON ALL CONDUIT PENETRATING ROOF AND ABANDON CONDUIT. REPAIR ROOFING DAMAGED BY REMOVAL OF EXISTING ELECTRICAL.	6 DISCONNECT AND REMOVE EXISTING CABINET. 7 DISCONNECT AND REMOVE POWER FROM TWO EXISTING AC WINDOW UNITS INCLUDING CONDUITS, WIRING AND
e.	EXCEPT WHERE EXPOSED CONDUITS ARE SHOWN ON PLANS, INSTALL ALL NEW CONDUITS CONCEALED IN WALLS, FURRED CEILING, OR UNDER FLOOR SPACE.	CONNECTIONS. VERIFY SOURCE OF CONNECTION. 8 DISCONNECT AND REMOVE POWER FROM TWO "RTU" UNITS INCLUDING CONDUITS, WIRING AND CONNECTIONS. VERIFY
f.	LIGHT FIXTURES AND ELECTRICAL DEVICES INDICATED TO BE REMOVED AND REINSTALLED SHALL BE REMOVED AND PROPERLY STORED TO PROTECT FROM DAMAGED UNTIL SUCH TIME THAT IT IS REINSTALLED. ALL FIXTURES TO BE REINSTALLED SHALL BE FULLY OPERABLE AND SHALL FIRST BE CLEANED, RELAMPED, DEFECTIVE BALLASTS REPLACED AND CRACKED OR BROKEN DIFFUSERS/LENSES REPLACED.	SOURCE OF CONNECTION.



