

City of Port Orchard
City Hall Building Improvements

ADDENDUM #1

April 19, 2023

TO ALL BIDDERS:

The Bid Documents issued April 7, 2023 for the project noted above are amended by this Addendum #1.

Receipt of this addendum shall be acknowledged by inserting its number in the space provided on the bid form.

PROJECT MANUAL ITEMS

- ITEM 1. Table of Contents (TOC) – Replace Section. Added missing sections to TOC.
- a. Sections missing from TOC: 087100, 230800, 260800, 263100
- ITEM 2. Section 07 46 46 Fiber Cement Siding
- a. The Cembrit Transparent product name has recently been changed to AFC Cladding ([Transparent – American Fiber Cement](#)). The product is the same. Foundry Services is the west coast distributor of this product. Jay Leathers is the point of contact and is aware of the project.
- Jay Leathers**
Foundry Service and Supplies, Inc.
2029 South Parco Ave
Ontario, CA 91761
U.S.A.
Direct: (909)223-9250
Office: (909)284-5000
jay@foundryservice.com
www.foundryservice.com
- ITEM 3. Section 23 08 00 – Replace section. Updated footer
- ITEM 4. Section 26 28 16 – Replace section. Updated footer

DRAWINGS

ARCHITECTURAL

- ITEM 1. Sheet A20.01 - The approximate location of the chiller and generator lines has been added to the plans. The location shown is for reference only. These will still be abandoned in place. No change in scope.
- ITEM 2. Sheet A20.03 - The approximate location of the chiller and generator lines has been added to the plans. The location shown is for reference only. These will still be abandoned in place. No change in scope.
- ITEM 3. Sheet A35.03 – Details 1, 2, and 3 have been updated to show a metal cornice versus the “molded millwork.” Material to be a pre-finished metal per detail 3/A35.02.

ELECTRICAL

- ITEM 1. Sheet E00.01 – Replace Sheet
- a. Changed C2 fixture to 1x4. This is an approximate dimension. Match existing as close as possible.
 - b. Added X1 fixture for exit signs
- ITEM 2. Sheet E20.01 – Replace Sheet
- a. Added note for replacing exit signs
- ITEM 3. Sheet E20.02 – Replace Sheet
- a. Added note for replacing exit signs
- ITEM 4. Sheet E20.03 – Replace Sheet
- a. Conference Room revision to the lights. Originally showed (4) A2 lights. Changed to (2) C2 lights.
 - b. Added note for replacing exit signs
 - c. Graphical update to show C2 fixture as a linear fixture.
- ITEM 5. General Note added that all Exit Signs are to be replaced and meet the current code.

SUBSTITUTION REQUESTS

- ITEM 1. Section 23 72 00 Packaged Air-to-Air Energy Recovery Equipment (ERV)
- a. Rejected: The design team is unfamiliar with the performance of this system. Use specified products.
- ITEM 2. Section 23 81 43 Inverter Driven Split-System Heat Pump (VRF)
- a. Rejected: The design team is unfamiliar with the performance of this system. Use specified products.

GENERAL QUESTIONS/COMMENTS

- ITEM 1. Under the title of “Notice to Prospective Bidders” it directs that all emails must be received 5 business days prior to bid opening for a response. It further states that bidders will be notified of these questions and responses 3 days prior to the bid opening. This contradicts note 4 under “Information And Checklist For Bidders” that states questions received less than 10 days may not be answered. I understand that things change and a late addendum may be necessary, however, I hope that any major addenda would be issued much sooner than 3 days prior as stated above.
- a. If any addenda were released that late with major changes, a schedule adjustment would also be considered to provide ample time for bidders to get pricing.
- ITEM 2. Shelving and miscellaneous storage on the mezzanine level will be moved by the owner prior to construction.
- ITEM 3. Off-Hours work is required where the scope will affect the staff from working. This includes but is not limited to power and mechanical shutdowns. If work can be zoned and staff shifted to allow work to continue, off-hours is not required for those elements.
- ITEM 4. GC is responsible for any trade permits. This includes document preparation, submission, and payment for permits. The Building Permit is ready to issue and is included with the contract.
- ITEM 5. No exterior lights will be replaced. Existing lights are to remain in place or be removed, protected, and reinstalled where required due to siding replacement.
- ITEM 6. Rilem Tube Test to be conducted on brick to assist in brick sealer selection.

- ITEM 7. Evidence Fridge and Freezer are required to be operational 24/7/365. GC to coordinate with the Owner on times when a generator or other means of power are needed to keep these appliances energized.
- ITEM 8. Where existing light fixtures are removed and replaced, any exposed damaged ceiling areas will need to be patched, prepped, and painted to match adjacent surfaces.
- ITEM 9. Replace the existing Fire Alarm Control Panel in kind with a newer model. Same manufacturer to ensure compatibility with existing devices.
- ITEM 10. Will the GC have access to all floors at all times for construction or will there be a phasing plan required?
- a. The GC will have access to all floors and can occupy all floors provided staff and public access and safety are maintained. Large-scale tasks including but not limited to painting and carpet replacement will need to be coordinated with the staff. The staff may arrange alternate work areas or telecommuting options or the GC may need to perform these tasks off-hours (weekends and evenings).
- ITEM 11. Can the GC use the elevators for equipment?
- a. The GC can use the stairs and elevators provided protection is utilized. Any damage to the elevators or stairs will be the GC's responsibility to correct. Keep all public areas clean for the safety of the staff and the public.
- ITEM 12. Pre-Bid walk-through Sign-In sheets have been included for reference.
- ITEM 13. Chamber and Court Room Schedules:
- a. Monday morning and afternoon
 - b. Tuesday morning and the afternoon on the 3rd Tuesday of each month
 - c. Wednesday at 9:30 if we have anyone in jail (30-min max)
 - d. Thursday at 10 if we have anyone in jail (30-min max)
 - e. Friday at 10 if we have anyone in jail (30-min max)
 - f. If the City has any trials which is very rare, they will hold those on the 2nd and 4th Wednesday of the month but we would know for sure if that was happening by the Monday prior.
 - g. Chamber sessions are Tuesday evenings.

END OF ADDENDUM #1

Section #	Section Name
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VOLUME ONE

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

000001	Cover
000010	Table of Contents
000115	List of Drawing Sheets
Page 1	Advertisement for Bids
Page 4	Notice To Prospective Bidders
Page 5	Information and Checklist for Bidders
Page 12	Proposal
Page 14	Bid Price Form
Page 18	Bidders Qualification Form
Page 21	Bid Security
Page 22	Non-Collusion Declaration
Page 23	Certification of Compliance with Wage Payment Statues
Page 24	Supplemental Criteria Information Form
Page 29	Work Experience Form
Page 31	Subcontractors List
Page 34	Port Orchard City Contract
Page 48	5% Retainage Investment Option
Page 49	Savings Account Agreement
Page 51	Escrow Agreement
Page 54	Performance and Payment Bond
Page 56	Acknowledgement
Page 57	Surety Acknowledgement
Page 58	City of Port Orchard Maintenance / Warranty Bond
Page 61	Form P-1 Notary Block – Developer/Ownery
Page 62	Form P-2 Notary Block – Surety Company

DIVISION 01 - GENERAL REQUIREMENTS

011000	General Conditions
011000.01	Port Orchard City Holidays
011150	Delegated Design and Deferred Submittals
012200	Unit Prices
012500	Substitution Procedures
012600	Contract Modification Procedures
012900	Payment Procedures
013100	Project Management and Coordination
013200	Construction Progress Documentation
013300	Submittal Procedures
014000	Quality Requirements
014200	References
001500	Temporary Facilities and Controls
016000	Product Requirements
017300	Execution
017419	Construction Waste Management and Disposal
017700	Closeout Procedures
017823	Operation and Maintenance

017839 Project Record Documents
017900 Demonstration and Training

Section # Section Name

DIVISION 02 – EXISTING CONDITIONS

024119 Selective Demolition

DIVISION 03 - CONCRETE

033000 Cast-In-Place Concrete

DIVISION 04 - MASONRY

040120 Masonry Cleaning and Repair
042000 Unit Masonry

DIVISION 05 - METALS

051200 Structural Steel Framing
051213 Architecturally Exposed Structural Steel
054000 Cold-Formed Metal Framing

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

062000 Finish Carpentry
064100 Architectural Wood Casework

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

072100 Thermal Insulation
072500 Weather Barriers
073113 Asphalt Shingles
074646 Fiber Cement Siding
076200 Sheet Metal Flashing and Trim
077229 Sloped Roof Ventilation
079005 Joint Sealers

DIVISION 08 - OPENINGS

081113 Hollow Metal Doors and Frames
081416 Flush Wood Doors
083323 Overhead Coiling Doors
085413 Fiberglass Windows and Doors
085659 Transoms Windows
087100 Door Hardware
088003 Interior Glazing

DIVISION 09 - FINISHES

092116 Gypsum Board Assemblies
092219 Non-Structural Metal Framing
095100 Acoustical Ceilings
096500 Resilient Flooring
096813 Tile Carpeting
097200 Wall Covering

Section #	Section Name
099000	Painting and Coating

DIVISION 10 - SPECIALTIES

101400	Signage
102600	Wall and Corner Protection
108013	Miscellaneous Specialties

DIVISION 11 - EQUIPMENT

110114	Fall Arrest & Fall Restraint System
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DIVISION 12 - FURNISHINGS

123600	Countertops
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DIVISION 13 – SPECIAL CONSTRUCTION

NOT USED

DIVISION 14 - CONVEYING EQUIPMENT

NOT USED

DIVISION 23 - HEATING, VENTILATION AND AIR CONDITIONING (HV

230000	HVAC General Conditions
230517	Sleeves and Sleeve Seals for HVAC
230529	Hangers and Supports for HVAC Piping
203548	Vibration and Seismic Controls for HVAC Piping
230553	Identification for HVAC Piping and Equipment
230593	Testing, Adjusting, and Balancing for HVAC
230700	HVAC Insulation
230800	Commissioning of HVAC
230923	Direct Digital Control (DDC) System for HVAC
230993	Sequence of Operations for HVAC DDC
232300	Refrigerant Piping
233113	HVAC Ducts and Casings
233300	Air Duct Accessories
233416	HVAC Fans
233600	Air Terminal Units
233713	Air Inlets and Outlets
237200	Packaged Air-to-Air Energy Recovery Equipment
238143	Inverter Driven Split System Heat Pumps

DIVISION 26 – ELECTRICAL

260010	Excavation and Backfill for Electrical Utilities
260126	Maintenance Testing for Electrical Systems
260500	Common Work Results for Electrical Systems
260519	Low Voltage Electrical Power Conductors and Cables
260526	Grounding and Bonding for Electrical Systems
260533	Raceways and Boxes for Electrical Systems

Section #	Section Name
260543	Metal Clad Cable (Type MC) and Fittings
260800	Commissioning of Electrical
260943	Wireless Lighting Controls
262416	Panelboards
262726	Wiring Devices
262813	Fuses
262816	Enclosed Switches and Circuit Breakers
263100	Photovoltaic Energy Equipment
263200	Generators
263623	Automatic Transfer Switch
264313	Transient Voltage Surge Suppression System
265000	Lighting

DIVISION 32 – EXTERIOR IMPROVEMENTS

323113	Chain Link Fences and Gates
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END OF TABLE OF CONTENTS

SECTION 230800 – COMMISSIONING OF HVAC

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Description of the Commissioning process for this project including responsibilities for Division 23
- B. The commissioning process in this section shall be used to comply with 2018 Washington State Energy Code, C408, System Commissioning as well as C103.6, Building Documentation and Close out Submittal Requirements.
- C. The certified commissioning professional (CCP) directs and coordinates all commissioning activities; this section describes some but not all of the commissioning professional's responsibilities.
 - 1. The commissioning professional is hired by the Owner or the Architect. The commissioning professional reports directly to the Owner.
 - 2. The CCP shall meet energy code certification requirements.
- D. The commissioning process, including acceptance of equipment and systems within the Scope of Commissioning, is to be completed before Final Inspection.

1.2 SCOPE OF COMMISSIONING

- A. Building cooling and heating
 - 1. Variable refrigerant flow (VRF) heat pump systems
 - 2. Electric space heaters
 - 3. Single zone heat pump
 - 4. Controls for cooling and heating
- B. Building Ventilation
 - 1. Energy recovery ventilators
 - 2. Duct terminals
 - 3. Restroom exhaust fans (existing, not to be modified)
 - 4. Controls for ventilation equipment
 - 5. Building Air Balance
- C. The following scope is EXCLUDED from the commissioning process
 - 1. Envelope upgrades and air leakage testing. Scope of work is excluded per exception to 2018 WSEC section C503.3 since the project does not include change of space conditions.
 - 2. Service water heating system. Scope of work is excluded per exception 2 of 2018 WSEC section C408.1 since the total building system is less than 200 kBtu/h

1.3 RELATED REQUIREMENTS

- A. 230553 - Identification for HVAC Piping and Equipment
- B. 230593 - Testing, Adjusting, and Balancing for HVAC
- C. 230923 – Direct Digital Control (DDC) system for HVAC
- D. 230993 - Sequence of Operations for HVAC Controls
- E. 233400 - HVAC Fans
- F. 233600 – Air Terminal Units
- G. 237200 - Packaged Air-to-Air Heat Recovery Equipment
- H. 238143 - Inverter Driven Split System Heat Pumps

1.4 DEFINITIONS

- A. CCP: Certified Commissioning Professional. An individual who is certified by an ANSI/ISO/IEC 17024:2012 accredited organization to lead, plan, coordinate, and manage commissioning teams and implement the commissioning process.

B. TAB: Test, Adjust, and Balance

1.5 ADMINISTRATIVE REQUIREMENTS

- A. Commissioning Scope Meeting: Convene a meeting that includes the equipment installers for every system in section 1.2 and the project's CCP.
1. Review the commissioning plan outlined in this section, including the functional test acceptance criteria in paragraphs 3.7.E.
 2. Review coordination and scheduling required for successful commissioning.
 3. Review and discuss TAB plan, including strategies and step-by-step procedures to accomplish a full system air balance in Section 230593 and paragraphs 3.4, 3.7.E and 3.7.G.
- B. The CCP has reporting and review duties not listed in this section. 2018 Washington State Energy Code section c408 provides minimum CCP duties.

1.6 SUBMITTALS

- A. Make submittals directly to the CCP on a time schedule specified by the CCP.
- B. Follow standard submittal procedures to make corrections, as needed, until the submittal is approved by the CCP.
- C. Submit an electronic copy to the CCP, for review and approval.
- D. Submit the Following:
1. Product submittals for equipment listed in Related Sections, above. For each product, provide the following:
 - a. Manufacturers' Instructions: Submit copies of manufacturer-provided instructions that are shipped with equipment as soon as the equipment is delivered
 - b. Copies of factory test reports shipped with the unit, if any
 - c. Blank Startup Sheet
 - d. Completed Startup Reports
 2. Start up reports per paragraphs 3.3, 3.4, and 3.5.
 3. Test and Balance
 - a. Draft Test and Balance Report for use with Functional Testing
 - b. Certified Test and Balance Report
 4. Operations and Maintenance data

1.7 RESPONSIBILITIES

- A. Include and itemize the cost of commissioning in the contract price.
- B. Follow the commissioning plan to organize and document the following activities:
1. Install components, devices, equipment, and systems in accordance with the Contract Documents and the manufacturer's recommendations and instructions.
 2. Perform operational checkout of installed work.
 3. Execute functional test procedures in accordance with the Contract Documents and witnessed by the commissioning professional.
 4. Educate the owner and their operations personnel on proper system function.
- C. Provide a draft TAB report within one week of TAB completion. Submit directly to the CCP. Provide the Commissioning professional with any requested data, gathered, but not shown on the draft reports.
- D. Provide skilled technicians to perform functional testing under the direction of the Commissioning Professional. Ensure that they are available and present during the agreed upon schedules and for sufficient duration to complete the necessary tests, adjustments and problem-solving.

- E. Correct deficiencies (differences between specified and observed performance) as interpreted by the Commissioning professional, owner, and engineer and retest the equipment.
- F. Coordinate with the Commissioning Professional so they may witness training of the Owner's operating staff.
- G. Commissioning Professional to meet with Owner's operating staff to go review and confirm that operating staff are trained on the design intent for the following:
 - 1. Energy recovery ventilators, including demand controlled ventilation
 - 2. Air Terminal Units (aka VAV boxes), including demand controlled ventilation
 - 3. VRF central controls
- H. Warranty Period
 - 1. Execute seasonal or deferred functional testing, witnessed by the Commissioning professional, if required.
 - 2. Work with the commissioning provider to review the condition of outstanding issues related to the original and seasonal commissioning.
 - 3. Assist in correcting areas of concern that are still under warranty.

PART 2 - PRODUCTS

2.1 TEST EQUIPMENT

- A. Provide all test equipment necessary to fulfill the testing requirements of this Division.

PART 3 - EXECUTION

3.1 COMMISSIONING PLAN

- A. This specification section shall be considered the draft commissioning plan. After discussion during the Commissioning Scope Meeting, the CCP may modify the commissioning plan to match the discussion, and/or meeting outcomes.
- B. Attend meetings called by the commissioning professional for purposes of completing the commissioning process as described in this section.
- C. Require attendance and participation of relevant subcontractors, installers, suppliers, and manufacturer representatives.

3.2 STARTUP

- A. Complete systems and subsystems so they are fully functional, meeting the design objectives of the Contract Documents. The commissioning procedures and functional testing do not relieve or lessen this responsibility or shift that responsibility partially to the commissioning professional or Owner.
- B. Functional testing is intended to begin upon completion of a system. Functional testing may proceed prior to the completion of systems or sub-systems at the discretion of the Commissioning Professional and General Contractor. Beginning system testing before full completion does not relieve the Contractor from fully completing the system, including all prefunctional checklists, as soon as possible.
- C. Field quality control activities are complete, as specified by other sections.

3.3 START-UP REPORTS FOR MECHANICAL

- A. Manufacturer's start-up forms.
- B. Installer's typical start-up form
- C. Prefunctional checklists that confirm calibration of each carbon dioxide and pressure sensor
- D. Building management system point to point checkout
- E. VRF start-up reports are submitted, including written confirmation that the manufacturer's required warranty test has been completed successfully. Submit a copy of each manufacturer warranty document, if requested by the CCP.

3.4 ACCEPTANCE CRITERIA FOR TEST AND BALANCE

- A. The draft TAB report is submitted early for use during functional testing.

3.5 FUNCTIONAL TESTING

- A. A Functional Test is required for each item of equipment, system, or other assembly listed in paragraph 1.2. List of functional test procedures to be developed and executed by the CCP
 1. Building cooling and heating
 2. Building ventilation system
 3. Small HVAC equipment: electric heaters, single zone heat pumps, and exhaust fans
 4. Building Management system
- B. Execute Functional Tests, after completion of Startup Reports and before Final Acceptance.
- C. The commissioning professional is responsible for witnessing and reporting results of Functional Tests, including preparation and completion of forms for that purpose.
- D. Correct deficiencies and re-test at no extra cost to the Owner. If a deficiency is not corrected and re-tested immediately, the commissioning professional will document the deficiency and the Contractor's stated intentions regarding correction.
 1. Deficiencies are any condition in the installation or function of a component, piece of equipment or system that is not in compliance with the Contract Documents or does not perform properly.
 2. When the deficiency has been corrected, notify the commissioning professional in writing. The commissioning professional will reschedule the test and the Contractor shall re-test, as necessary.
 3. Identical or Near-Identical Items: If 10 percent, or three units, whichever is greater, of identical or near-identical items fail to perform due to material or manufacturing defect, all items will be considered defective. In this case, Contractor shall provide a proposal for correction within 2 weeks after notification of defect, including provisions for testing sample installations prior to replacement of all items.
 4. The Contractor shall bear the cost of Owner and commissioning professional personnel time for witnessing re-testing if the test failed due to failure to execute the relevant start-up correctly. If the test failed for reasons that would not have been identified in the start-up process, the Contractor shall bear the cost of the second and subsequent re-tests.

3.6 FUNCTIONAL TEST PREREQUISITES

- A. The following applicable generic prerequisite checklist items are listed on each written functional test form and shall be completed and checked off by Commissioning professional prior to functional testing:
 1. All related equipment has been started up and start-up reports submitted and approved ready for functional testing
 2. All control system functions for this and all interlocking systems are programmed and operable per contract documents, including final setpoints and schedules with sensor calibrations completed.
 3. Current A/E punchlist items for this equipment corrected.
 4. These functional test procedures reviewed and approved by installing contractor.
 5. Test requirements and sequences of operation attached.
 6. Schedules and setpoints attached.
 7. False loading equipment, system, and procedures ready
 8. Sufficient clearance around equipment for servicing.
 9. Record of all values for pre-test setpoints changed to accommodate testing has been made and a check box provided to verify return to original values (control parameters, limits, delays, lockouts, schedules, etc.).

10. Other miscellaneous checks of the start-up reports completed successfully.

3.7 FUNCTIONAL TESTING REQUIREMENTS

- A. Detailed functional testing requirements will be developed by the commissioning professional and submitted to the contractor for review.
- B. Parties Responsible to execute Functional Test
 - 1. Mechanical Contractor: perform testing, correct deficiencies.
 - 2. CCP: assist with testing, document testing.
 - 3. Owners Representative: witness
- C. Tested functions and/or modes
 - 1. The following testing requirements are in addition to and do not replace any testing requirements elsewhere in contract documents
 - 2. Test each sequence in the sequence of operations, and other significant modes and sequences not mentioned including manual modes and power failure. Test functionality of this system in all control strategies or interlocks that it is associated with.
- D. Required Monitoring
 - 1. None
- E. Acceptance Criteria

Building ventilation system	
Equipment Type	Acceptance Criteria
Energy recovery ventilators	ERVs operate per the sequence of operations in Section 230993, including schedule (occupied, unoccupied), and maintenance of duct static pressure.
Energy recovery ventilators	Commissioning team to determine owner's desired schedule.
Energy recovery ventilators	Each ERV is controlled on a 7-day programmable control system set to match the owner's schedule.
Energy recovery ventilators	ERVs are confirmed to operate in a smooth fashion without undue noise in normal mode (occupied mode with duct terminals at normal, minimum position), in "demand ventilation" mode (1 or more duct terminals at maximum position), and in transition between low and high load.
VAV boxes	VAV boxes operate per the sequence of operations in Section 230993, including schedule (occupied, unoccupied), and occupied CO2 controls (minimum, ramp up, ramp down).
Test and Balance Verification	Each energy recovery ventilator's minimum pressure setting is measured and customized during test and balance. The minimum setting is the value that provides correct ventilation airflow when all duct terminals are in minimum position.
Test and Balance Verification	A random sample of up to 25 % the TAB report data shall be selected for verification (air velocity, air flow rate, pressure differential, etc.). The original TAB contractor will execute the checks, witnessed by the CCP. The TAB contractor will use the same test instruments as used in the original TAB work. Failure of an item is defined as follows: <ul style="list-style-type: none"> 1. For air flow of supply and return: a deviation of more than 10% of instrument reading 2. For minimum ventilation air flow: 20% of instrument reading 3. For air and water pressures: a deviation of more than 10% of full scale of test instrument reading

Building cooling and heating: variable refrigerant flow	
Equipment Type	Acceptance Criteria
VRF indoor heat pumps	Indoor heat pump controls are programmed to cycle indoor unit fans on thermostat call, sensing at the thermostats.
VRF indoor heat pumps	Indoor heat pump controls are programmed so that simultaneous heating and cooling cannot occur (e.g. there is only 1 system serving each space and/or interlocks are installed and functioning)
VRF system	Each VRF system operates per the sequence of operations in Section 230993, including temperatures (heating, cooling) and schedule (occupied, unoccupied).

Small HVAC equipment: electric heaters, single zone heat pumps, and exhaust fans	
Equipment Type	Acceptance Criteria
EF-1	EF-1 serving the police station operates 24-7 on low speed. When a person enters the holding cell, EF-1 ramps up to high speed. Occupancy sensor is set for 30-minute time delay.
EF-2 and EF-3	The restroom exhaust fans operate on occupancy sensor from EITHER restroom. Confirm that fan turns ON & OFF based on a person walking into either restroom with the other room vacant. Set for 30 minute time delay.
HPs in interior Elec and Elev Rooms	IHP-TELEC: Thermostat is set for cooling mode and labeled "Cooling Mode Only. Set for 75F". When feasible, heating mode is jumpered out.
Electric Heaters	EH-type electric heaters operate via remote thermostat.

Building Management System	
	Acceptance Criteria
BMS Interface	The building management system is connected to every ERV and VAV box.
BMS Communication	The building management system is communicating with the city-wide BMS, as required.
BMS Monitoring	The building management system is monitoring every ERV and VAV box, as required in the contract documents.
BMS Trend Logs	Permanent trend logs are established within the BMS, as determined during the commissioning process for other mechanical systems

- F. Sampling Strategy
 - 1. Test 100% of energy recovery ventilators, fans, and electric heaters
 - 2. Test 15% of VRF indoor heat pumps
- G. Post Occupancy Testing
 - 1. Test and balance work is performed for each energy recovery ventilator to confirm thermal effectiveness.
 - a. Perform testing with outdoor air temperatures below 50F.
 - b. Perform testing after the building is occupied during normal occupied hours.

- c. Refer to the manufacturer's performance chart to determine the expected supply air and exhaust air temperatures based on the outdoor temperature during the test.
 - d. Adjust the supply and relief fan speeds to achieve a minimum of 75% thermal effectiveness.
2. Additional post-occupancy testing to be determined during Commissioning Scope Meeting

END OF SECTION

SECTION 262816 – ENCLOSED SWITCHES AND CIRCUIT BREAKERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions, Supplementary Conditions and Divisions 0 and 1 Specification Sections, apply to work of this Section.

1.2 WORK INCLUDED

- A. Provide all disconnect switches and enclosed circuit breakers required by NEC for equipment furnished under this and other divisions of these specifications and by the Owner.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Siemens
- B. General Electric
- C. Square D
- D. Cutler Hammer

2.2 DISCONNECT SWITCHES

- A. Switches shall be NEMA type HD (heavy duty), quick make, quick break, dual rated with electrical characteristics as required by the system voltage and the load served. Switches shall be single throw and have blades to open all ungrounded conductors.
- B. Enclosure shall have interlocking cover to prevent opening door when switch is closed. Interlock shall include a defeating scheme for authorized service work.
- C. Operator handle shall be lockable in the "off" position.
- D. Disconnect enclosures shall be suitable for mounting locations. Provide NEMA 1 for dry locations, NEMA 3R for damp or exterior locations. Provide other NEMA ratings to suit area requirements.
- E. All disconnect switches shall be the product of one manufacturer to facilitate future maintenance.

2.3 FUSIBLE DISCONNECTS

- A. Fusible disconnect switches provided shall be per 2.2 above with the addition of fuse space and clips to accept only Class R fuses.

2.4 TOGGLE SWITCHES

- A. Motor rated toggle type disconnect switches are acceptable for fractional horsepower equipment. Switches shall be suitable for the intended load and provided with handle guard/lock-off feature (similar to Square D Class 2510).

2.5 ENCLOSED CIRCUIT BREAKERS

- A. Circuit breaker operator handle shall be lockable in the "off" position.
- B. Circuit breaker enclosures shall be suitable for mounting locations. Provide NEMA 1 for dry locations, NEMA 3R for damp or exterior locations. Provide other NEMA ratings to suit area requirements.
- C. All circuit breakers shall be the product of one manufacturer to facilitate future maintenance.

2.6 NAMEPLATES

- A. Provide nameplates on all disconnects and fused switches. Nameplates shall be engraved laminated phenolic mounted with screws. Adhesive only will not be acceptable. Each nameplate shall include this information: Load served, voltage, phase, panel, circuit number, fuse size and type.

PART 3 - EXECUTION

3.1 DISCONNECT LOCATIONS

- A. Install disconnects and enclosed circuit breakers in the same relative location as the equipment

being served unless that location is difficult to access or is in an unsuitable environment.

Discrete disconnect switches of similar size may be grouped in a central location.

3.2 SUPPORT

- A. Secure disconnect switches and enclosed circuit breakers to building structure, equipment unit or approved mounting frame. Support by conduit system only is not acceptable.

3.3 SPLICES

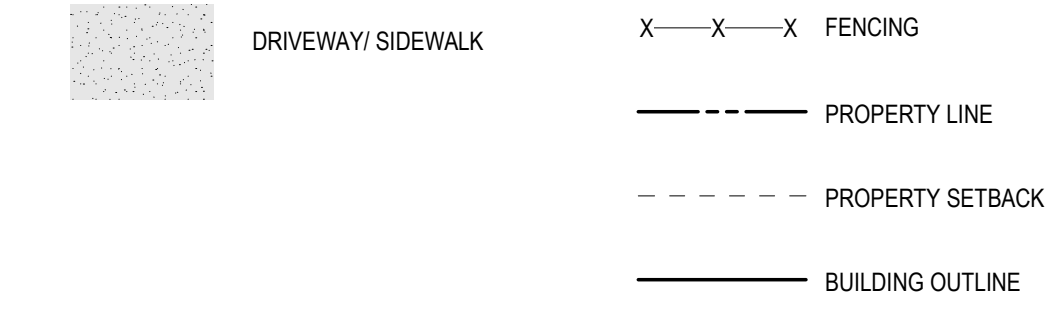
- A. Wiring space within disconnect switches and enclosed circuit breakers shall not be used for splicing; provide suitable wire gutters or junction boxes for this purpose.

END OF SECTION



NOTES & LEGEND - SITE PLAN

1. REFERENCE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
2. THIS BUILDING WILL REMAIN OPERATIONAL DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE STAGING PLANS TO THE CITY FOR THEIR RECORDS. STAGING PLAN MUST ALSO INCLUDE THE COMPLIANCE OF IBC CHAPTER 33 SHOWING PROTECTION OF PUBLIC PROPERTY, INCLUSION OF FIRE EXTINGUISHERS, MAINTENANCE OF MEANS OF EGRESS AND ACCESSIBLE MEANS OF EGRESS AND THE MAINTENANCE OF STANDPIPES.
3. GC TO VERIFY LOCATION OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO POWER, STORM, AND WATER LINES FROM WELLS AND UNDERGROUND TANK. NOTIFY ARCHITECT OF ANY CONFLICT BETWEEN FOUNDATION AND UTILITIES.

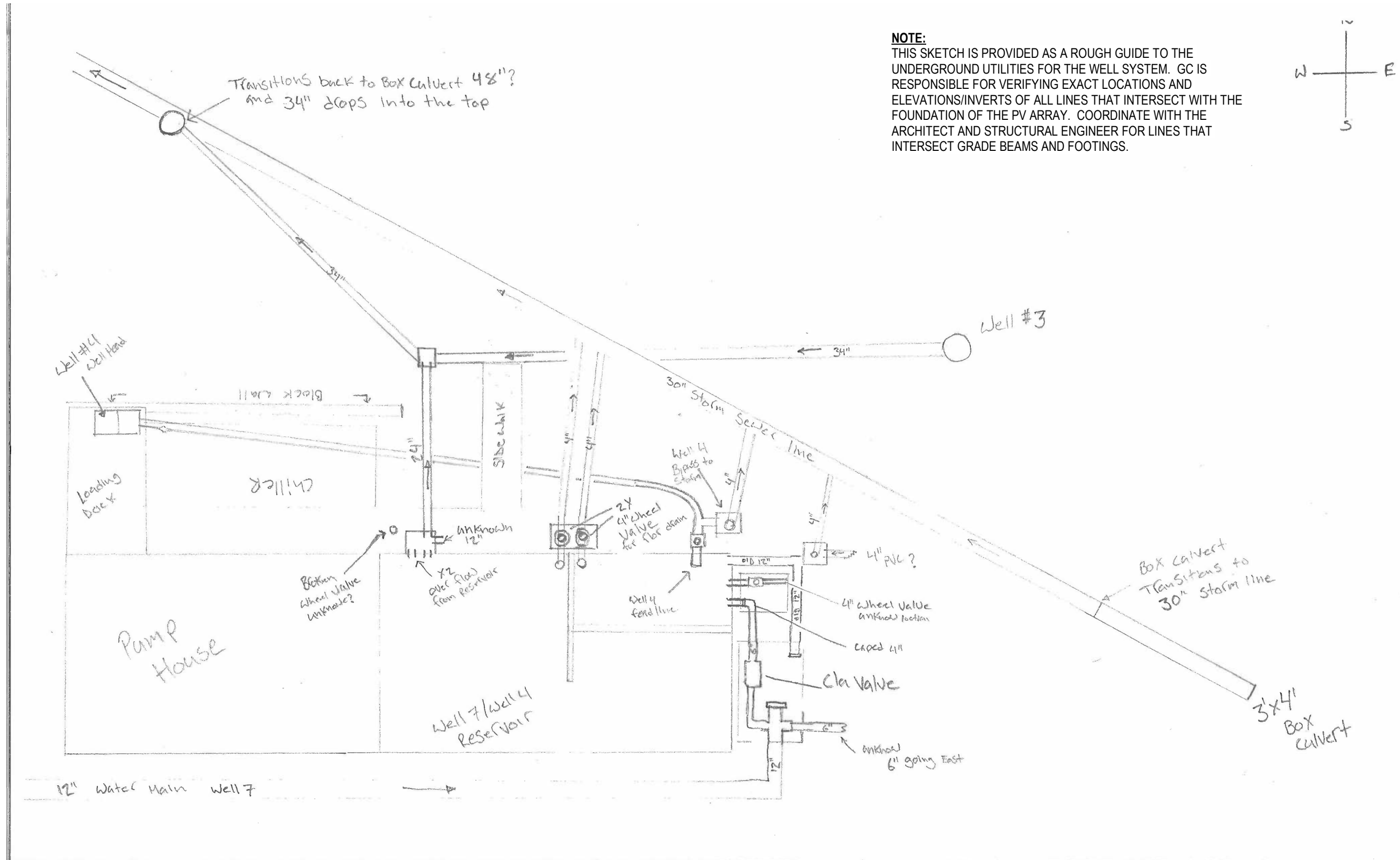


PORT ORCHARD CITY HALL - BUILDING IMPROVEMENTS
PORT ORCHARD CITY HALL
216 PROSPECT STREET
PORT ORCHARD, WA 98366

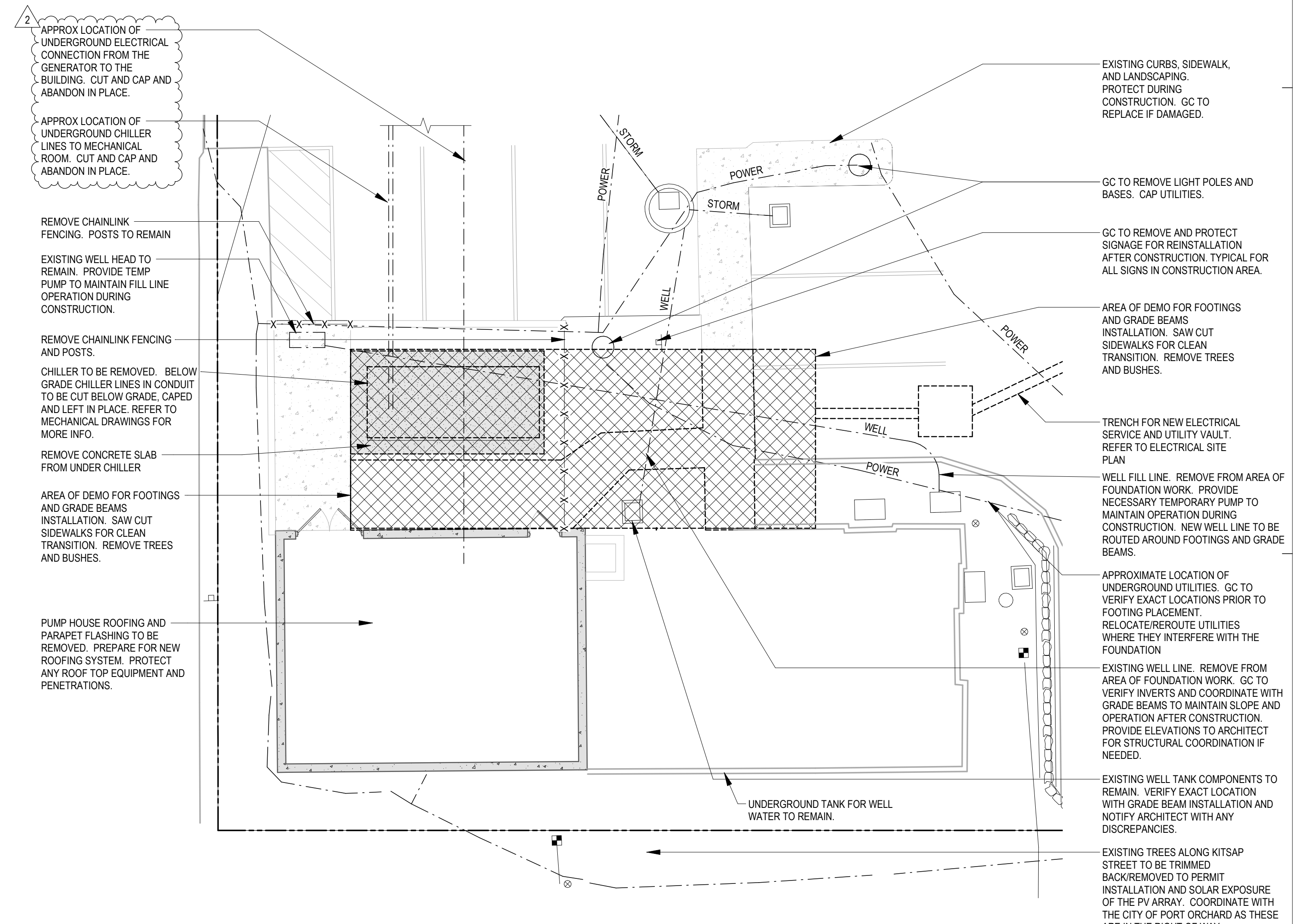
PROJECT #	2020013
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AHJ APPROVAL STAMP

ENLARGED DEMO SITE PLAN



2 UNDERGROUND UTILITY SKETCH - FOR REFERENCE ONLY
12" = 1'-0"

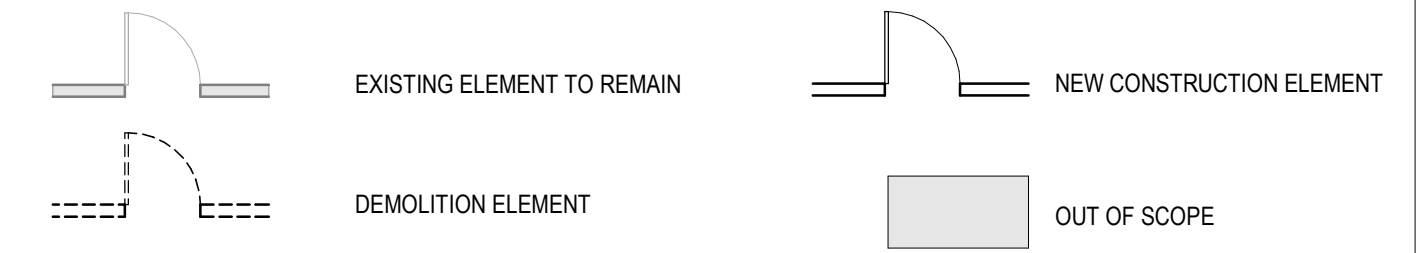


1 FLOOR PLAN - PUMP HOUSE DEMO PLAN
1/8" = 1'-0"



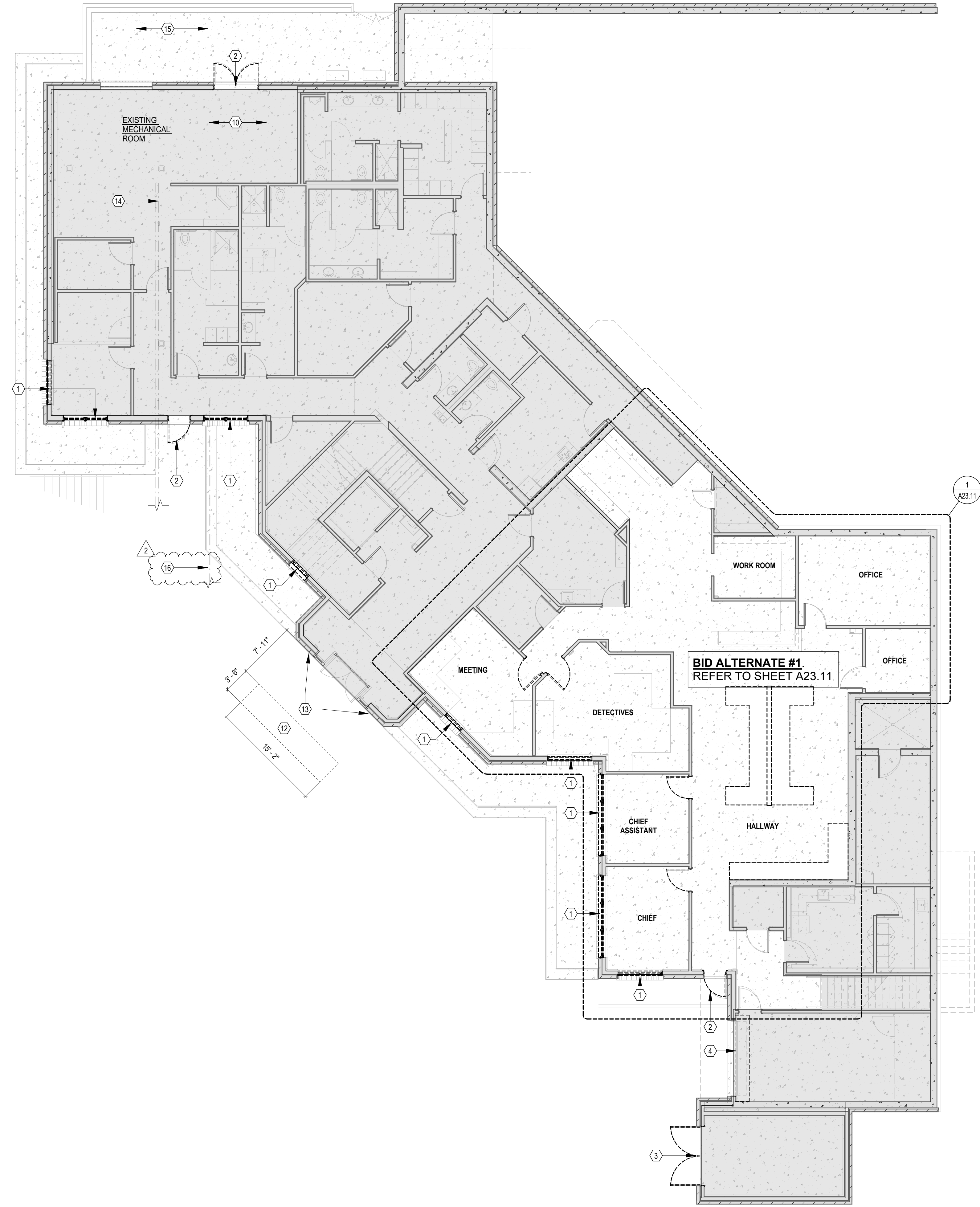
NOTES & LEGEND - DEMO AND FLOOR PLAN

1. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO BEGINNING WORK.
2. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT OWNERS PERSONNEL AND GENERAL PUBLIC AT AREAS OF WORK.
3. PRESERVE AND PROTECT EXISTING CONSTRUCTION AND LIFE SAFETY SYSTEMS TO REMAIN.
4. COORDINATE REMOVAL AND STORAGE OF EXISTING FURNITURE, FIXTURES, EQUIPMENT AND ASSOCIATED HARDWARE TO BE SALVAGED AND STORED DURING CONSTRUCTION WITH OWNER.
5. DIMENSIONS ARE TO ROUGH FRAMING OR TO FACE OF EXISTING FINISHES, TYP UNO.
6. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
7. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.
8. THIS BUILDING WILL REMAIN OPERATIONAL DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE STAGING PLANS TO THE CITY FOR THEIR RECORDS. STAGING PLAN MUST ALSO INCLUDE THE COMPLIANCE OF IBC CHAPTER 33 SHOWING PROTECTION OF PUBLIC PROPERTY, INCLUSION OF FIRE EXTINGUISHERS, MAINTENANCE OF MEANS OF EGRESS AND ACCESSIBLE MEANS OF EGRESS AND THE MAINTENANCE OF STANDPIPES.



KEY NOTES - DEMO PLAN

#	NOTE DESCRIPTION
1	REMOVE WINDOW. PREPARE ROUGH OPENING FOR NEW WINDOW INSTALLATION. TYPICAL ALL WINDOWS ON ALL LEVELS. PROVIDE TEMPORARY WEATHER PROTECTION ON ALL OPENINGS.
2	REMOVE HOLLOW METAL DOOR AND FRAME. PREPARE ROUGH OPENING TO RECEIVE NEW HOLLOW METAL DOOR. PROVIDE TEMPORARY WEATHER PROTECTION ON ALL OPENINGS.
3	REMOVE GATE AND PREPARE OPENING FOR NEW GATE. PROVIDE TEMPORARY WEATHER PROTECTION ON ALL OPENINGS.
4	REMOVE ROLL-DOWN DOOR. PREPARE OPENING FOR NEW ROLL-DOWN DOOR. PROVIDE TEMPORARY WEATHER PROTECTION ON ALL OPENINGS.
5	REMOVE EXTERIOR SIDING AND WEATHER BARRIER TO EXPOSE SHEATHING. IF SIGNS OF MOISTURE DAMAGE TO EXTERIOR SHEATHING IS PRESENT, REMOVE EXTERIOR SHEATHING IN DAMAGED AREAS ONLY. MAINTAIN RECORDS OF SQUARE FEET REMOVED. VERIFY INSULATION IS NOT WET AND REPLACE IF SIGNS OF MOISTURE DAMAGE ARE PRESENT. PREPARE REMAINING SHEATHING FOR NEW WRB INSTALLATION. TYPICAL AT ALL FIBER CEMENT SIDING. GC TO ASSUME 25% OF EXTERIOR SHEATHING SURFACE IS TO BE REPLACED WITH NEW SHEATHING AND INSULATION AND IS TO BE INCLUDED IN THE BASE BID. ANY DAMAGED AREAS BEING REMOVED ABOVE AND BEYOND THE ASSUMED 25% AREA WILL BE PER THE UNIT PRICING SPECIFICATIONS.
6	REMOVE CLOCK FACES AND ALL ASSOCIATED MECHANICAL COMPONENTS. PROVIDE TEMPORARY WEATHER PROTECTION WHEN CLOCK FACES ARE REMOVED.
7	REMOVE SHINGLES AND RIGID ROOFING INSULATION TO EXPOSE METAL ROOF DECK. REMOVE ANY EXPOSED FASTENERS AND PREPARE METAL DECK FOR NEW ROOFING ASSEMBLY. PROVIDE TEMPORARY WEATHER PROTECTION WHERE REQUIRED TO PREVENT WATER FROM ENTERING BUILDING.
8	PREPARE EXISTING DOOR FOR NEW FINISH INCLUDING BUT NOT LIMITED TO LOOSEN PAINT AND RUST. REPLACE ANY DAMAGED HARDWARE THAT IS PRESENT.
9	REMOVE GUTTERS, DOWNSPOUTS AND SUPPORT HARDWARE.
10	REMOVE EXISTING MECHANICAL EQUIPMENT, WATER HEATERS AND CONTROLS. PREPARE FOR NEW SYSTEM. DUCTING TO REMAIN, REFER TO MECHANICAL DEMO DRAWINGS FOR MORE INFORMATION.
11	REMOVE CASEWORK AND ALL SUPPORTING ELEMENTS.
12	SAW CUT SLAB FOR FOOTING INSTALLATION. REFER TO STRUCTURAL FOR MORE INFORMATION.
13	REMOVE AND PROTECT BRICKS TO PERMIT INSTALLATION OF NEW CANOPY STEEL BEAMS. TYPICAL (2) LOCATIONS.
14	APPROX LOCATION OF BELOW GRADE CHILLER LINES IN CONDUIT. GC TO CUT THE LINES AND CONDUIT BELOW FINISHED FLOOR, CAP, AND LEAVE IN PLACE.
15	AREA OF NEW OUTDOOR HEAT PUMP UNITS. REFER TO MECHANICAL.
16	APPROX LOCATION OF BELOW GRADE ELECTRICAL LINES FROM GENERATOR. ABANDON IN PLACE.



1 LEVEL 1 - DEMO PLAN
1/8" = 1'-0"
0 4 8 16

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LEVEL 1 - DEMO PLAN



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PORT ORCHARD CITY HALL
216 PROSPECT STREET
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BID DOCUMENTS

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REVISION SCHEDULE

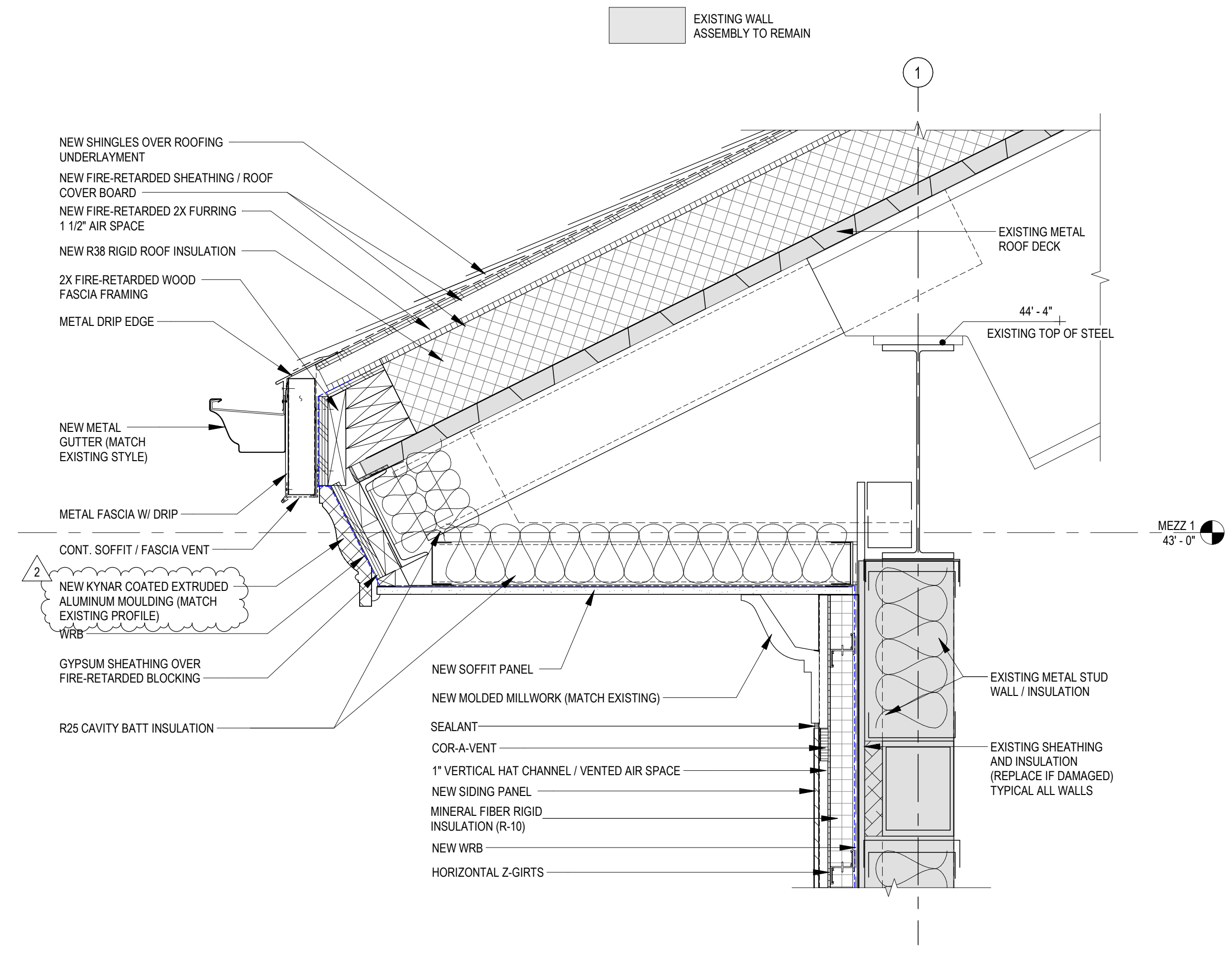
NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS	1/20/23
2	BID CHANGES	4/19/23

AHJ APPROVAL STAMP

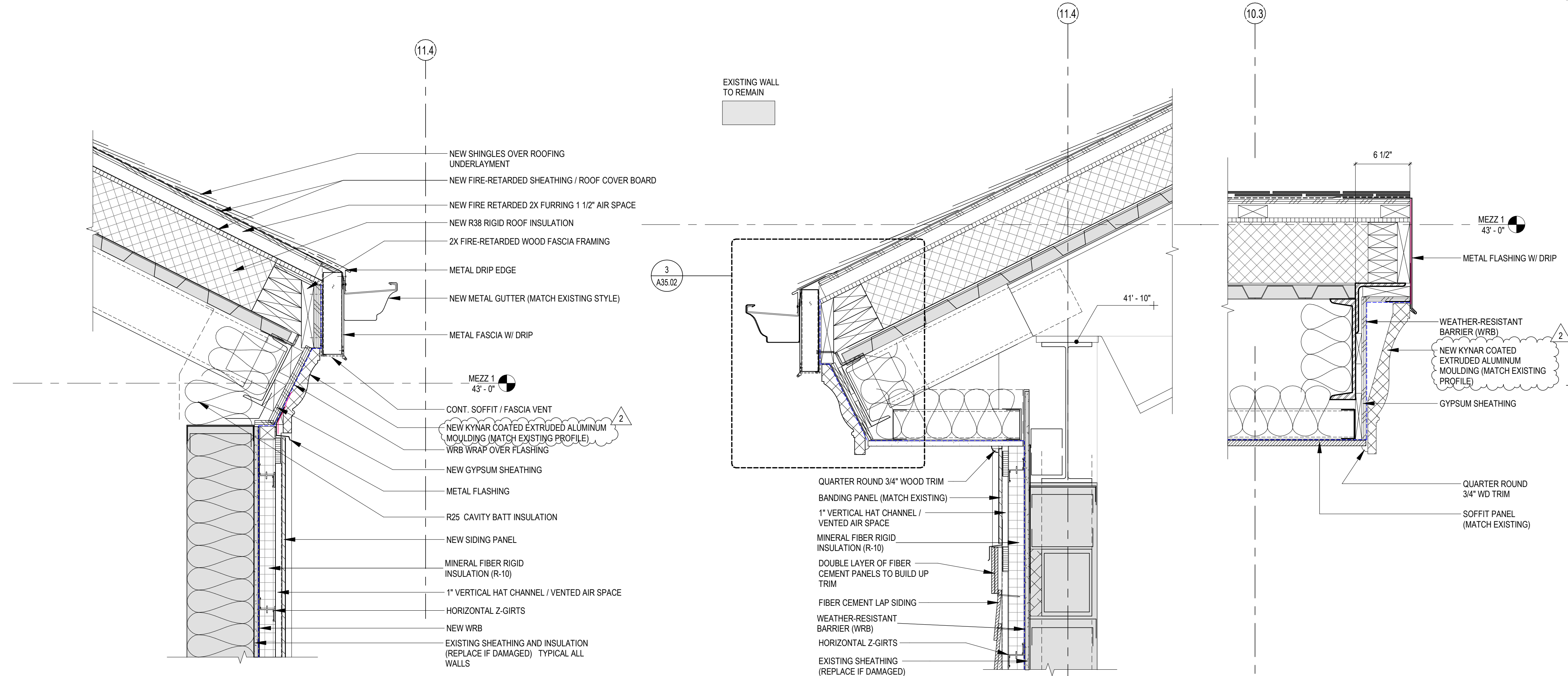
EXTERIOR DETAILS

SHEET #

A35.03



2 TYPICAL ROOF EDGE VENTED FASCIA DETAIL
1 1/2" = 1'-0"



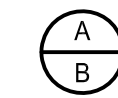
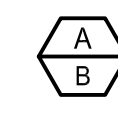
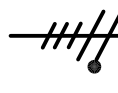

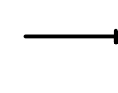

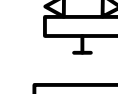






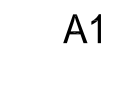





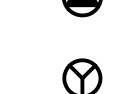

3 ROOF EAVE DETAIL
1 1/2" = 1'-0"



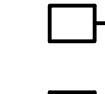


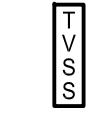
1 ROOF RAKE DETAIL
1 1/2" = 1'-0"

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	LAMPS	WATTS	MOUNTING
A1	METALUX 24CZ-LD5-55-UNV-L835-CD-1	LED	46	RECESSED
A1X	SAME AS TYPE A1 WITH EMERGENCY BATTERY PACK			
A2	METALUX 22CZ-LD5-39-UNV-L835-CD-1	LED	36	RECESSED
A2X	SAME AS TYPE A2 WITH EMERGENCY BATTERY PACK			
A3	METALUX 4WPLD4035R	LED	37	SURFACE
A3X	SAME AS TYPE A3 WITH EMERGENCY BATTERY PACK			
A4	METALUX 4SNLED-LD5-41SL-LW- UNV-L835-CD-1	LED	35	SURFACE
A5	METALUX 2BCLED-LD4-20SL-F-UNV-L835-CD-1	LED	25	WALL
A6	METALUX 4BCLED-LD4-36SL-F-UNV-L835-CD-1	LED	37	WALL
A7	METALUX 8TSNLED-LD5-67SL-LW- UNV-L835-CD-1	LED	50	SUSPENDED
A8	PINNACLE CDI-BW-835-835-7-AC_ST- U-EL1-O-S-FE	LED	42	SUSPENDED
A8X	SAME AS TYPE A8 WITH EMERGENCY BATTERY PACK			
A9	PINNACLE CDI-BW-835-835-5-AC_ST- U-EL1-O-S-FE	LED	30	SUSPENDED
A10	AXIS LIGHTING TB3WDLED-600-80-35-SO- 4'-AP-UNV-DP-1	LED	20	WALL
A10X	SAME AS TYPE A10 WITH EMERGENCY BATTERY PACK			
A11	AXIS LIGHTING TB3WDLED-600-80-35-SO- 2'-AP-UNV-DP-1	LED	10	WALL
A12	AXIS LIGHTING TB3WDLED-600-80-35-SO- 8'-AP-UNV-DP-1	LED	40	WALL
A12X	SAME AS TYPE A12 WITH EMERGENCY BATTERY PACK			
A13	AXIS LIGHTING TB3WDLED-600-80-35-SO- 12'-AP-UNV-DP-1	LED	60	WALL
A14	METALUX 22FP4235C-FPX SURF22	LED	38	SURFACE
A14X	SAME AS TYPE A14 WITH EMERGENCY BATTERY PACK			
A15	KENALL RMCA-4-FL/SA-1-67L35K-DCC-DV-2-1	LED	74	RECESSED
A15X	SAME AS TYPE A15 WITH EMERGENCY BATTERY PACK			
B1	HALO LT4-06-9FS23-1E-WH-DM	LED	8	RECESSED
B2	HALO HC6R-10-D010-HM6R-0525- 835-62R-MD-C (RETROFIT)	LED	10	RECESSED
C1	2'x4', DECORATIVE, LED, PENDANT MOUNT, TO MATCH EXISTING	LED	50	PENDANT
C2	1'x4', DECORATIVE, LED, PENDANT MOUNT, TO MATCH EXISTING	LED	35	PENDANT
D1	AXIS LIGHTING ARCLED-SL80/20-1000-80-35-SO- 4-AP-UNV-DP-1-XX	LED	48	PENDANT
D1X	SAME AS TYPE D1 WITH EMERGENCY BATTERY PACK			

ELECTRICAL SYMBOLS LEGEND

	DETAIL/SECTION IDENTIFICATION: A = DETAIL/SECTION LETTER, B = SHEET NUMBER WHERE DETAIL/SECTION IS DRAWN.
	EQUIPMENT CONNECTION CALLOUT. A, B EQUAL EQUIPMENT IDENTIFICATION ON MECHANICAL OR KITCHEN EQUIPMENT CONNECTION SCHEDULES. VERIFY EXACT EQUIPMENT REQUIREMENTS ON SHOP DRAWING EQUIPMENT SUBMITTALS PRIOR TO ROUGH-IN. DO NO ROUGH-IN FOR EQUIPMENT PRIOR TO REVIEW OF SUBMITTALS. REPORT ANY DIFFERENCES IN REQUIREMENTS TO ENGINEER IN WRITING.
	CONDUIT CONCEALED. HASH MARKS INDICATE NUMBER OF #12 CONDUCTORS IN CODE SIZE CONDUIT. NO HASH MARKS INDICATES 2-#12 CONDUCTORS PLUS GROUND IN 3/4" CONDUIT. LONG HASH MARKS INDICATES NEUTRAL CONDUCTOR. / INDICATES GROUND CONDUCTOR.
	FLEXIBLE RACEWAY, PROVIDE GROUND CONDUCTORS PER NEC.
	A-1,3 ADJACENT TO ARROW INDICATES HOMERUN OF CONDUCTORS IN CONDUIT FOR CIRCUITS 1 AND 3 TO PANEL "A".
	EXIT LIGHT WITH BATTERY, UNIVERSAL MOUNTING.
	EMERGENCY FLOODLIGHT WITH BATTERY.
	LIGHT FIXTURE, SURFACE MOUNTED ON CEILING.
	LIGHT FIXTURE, RECESS MOUNTED IN CEILING.
	LIGHT FIXTURE, WITH EMERGENCY BATTERY PACK.
	LIGHT FIXTURE, WALL MOUNTED.
	DOWNLIGHT FIXTURE.
	WALL MOUNT LIGHT FIXTURE.
	JUNCTION BOX.
	A1 LIGHT FIXTURE TYPE. A1 = SPECIFIC LIGHTING FIXTURE REFERENCED ON LIGHTING FIXTURE SCHEDULE.
	POWER PANEL
	DUPLEX RECEPTACLE 20A, 125 VOLT WALL MOUNTED AT 18 INCHES AFF. G = GROUND FAULT INTERRUPTING, T = TAMPERPROOF.
	DUPLEX RECEPTACLE 20A, 125 VOLT WALL MOUNTED HORIZONTALLY 2" ABOVE COUNTERTOP BACKSPLASH TO THE BOTTOM OF THE RECEPTACLE COVERPLATE.
	FOURPLEX RECEPTACLE 20A, 125 VOLT, WALL MOUNTED AT 18 INCHES AFF.
	SPECIAL RECEPTACLE. AMPERAGE AND VOLTAGE AS SHOWN.
	EQUIPMENT CONNECTION. PROVIDE PER NEC AND MANUFACTURERS REQUIREMENTS AND/OR RECOMMENDATIONS.

SM	WIRELESS LIGHT SWITCH, SINGLE POLE, SUBSCRIPTS; 3 = THREE WAY, 4 = FOUR WAY, D = DIMMER CONTROL, a, b, c, ETC = NUMBER OF SWITCHES AT THE LOCATION AND SPECIFIC FIXTURES CONTROLLED. MOUNT AT 42 INCHES AFF.
ST	DIGITAL 0-12 HOUR TIMER SWITCH. WATTSTOPPER TS-400 OR EQUAL
SY	AUTOMATIC/MANUAL OCCUPANCY SENSOR AND SINGLE POLE TOGGLE SWITCH. WATT STOPPER DW-100 OR EQUAL. SWITCH SHALL BE PROGRAMMED FOR MANUAL ON, AUTOMATIC OFF.
	WIRELESS DUAL TECHNOLOGY AUTOMATIC OCCUPANCY SENSOR DEVICE.
	WIRELESS DAYLIGHT PHOTOSENSOR
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH WITH FUSES.
Sm	MOTOR RATED TOGGLE SWITCH WITH OVERLOAD HEATER(S), SIZE PER NEC AND MANUFACTURERS REQUIREMENTS.
	AVAILABLE FAULT CURRENT
	TRANSIENT VOLTAGE SURGE SUPPRESSION. TPS3-X-11-15-D2, SIEMENS OR EQUAL. "X" = VOLTAGE/ PHASE (VARIES), SEE POWER RISER DIAGRAM AND/OR PANEL SCHEDULES FOR VOLTAGE AND PHASE REQUIREMENTS.
(E)	EXISTING
WP	WEATHERPROOF

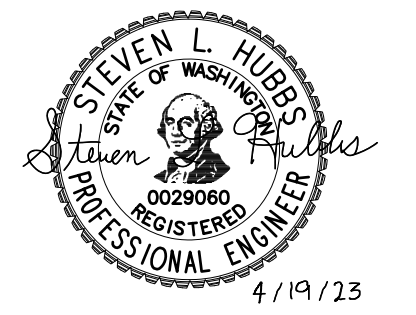
TYPE	MANUFACTURER	LAMPS	WATTS	MOUNTING
E1	VISTA PROFESSIONAL LIGHTING 1188-Z-MF-40-B-MV-AX- ND-B34-T015-DF	LED	35	IN-GRADE
E2	VISTA PROFESSIONAL LIGHTING 1188-Z-NS-40-B-MV-AX- ND-B34-T010-DF	LED	35	IN-GRADE
E3	TRULY GREEN SOLUTIONS IPF-S-40-U-D-05-KN-IPF-S-TV	LED	80	FLOODLIGHT
E4	ILP LIGHTING WTZ4-5L-40-MWUSB	LED	35	SURFACE
X1	SURE-LITES CX71	INCLUDED	35	UNIVERSAL



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1	ADDENDUM #1 4/19/23
AHJ APPROVAL STAMP	

**ELECTRICAL
SYMBOLS
LEGEND/ LIGHT
FIXTURE
SCHEDULE**



**PORT ORCHARD CITY HALL - BUILDING
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AHJ APPROVAL STAMP

LEVEL 1
LIGHTING FLOOR
PLAN

SHEET #

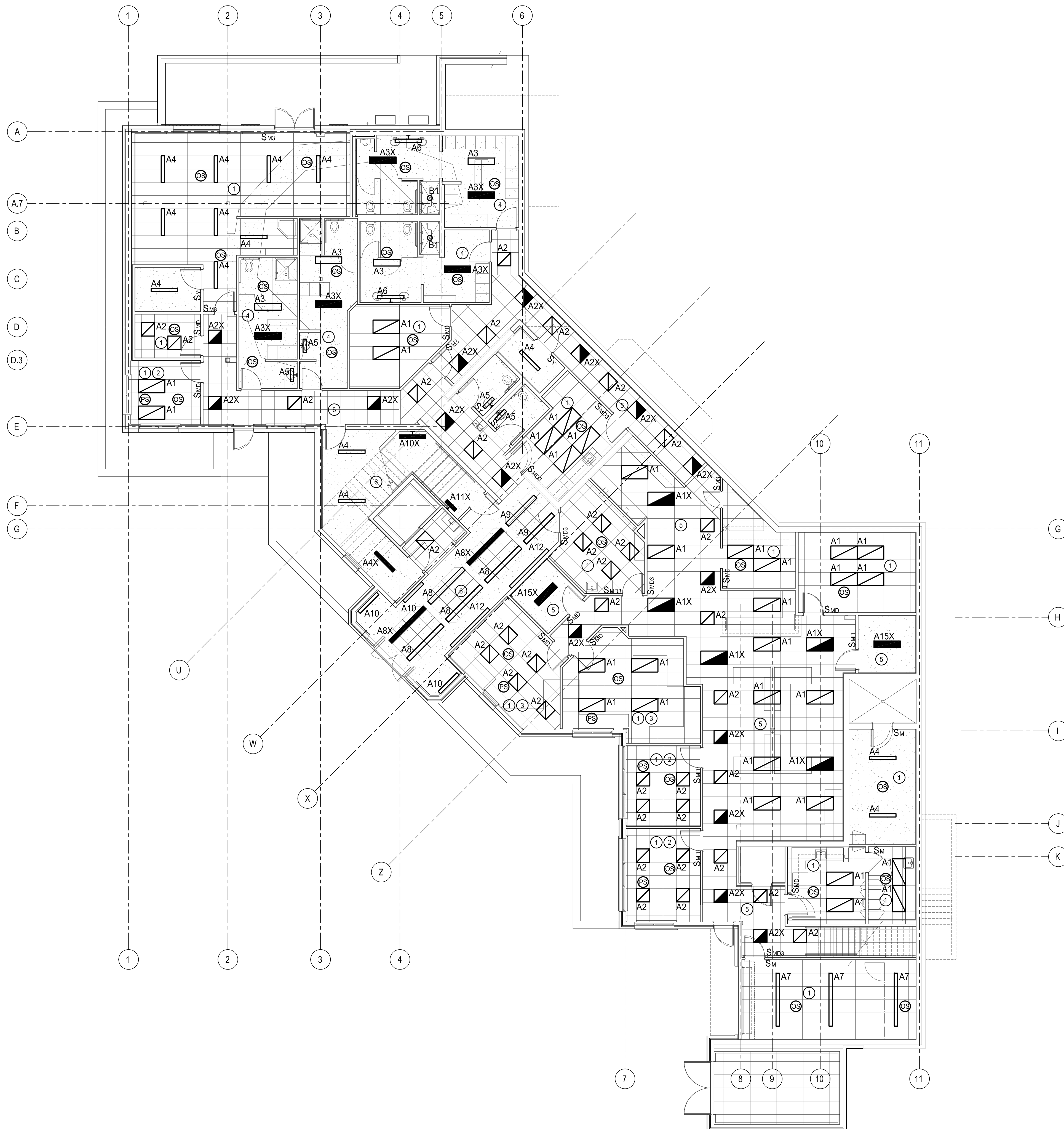
E20.01

LIGHTING GENERAL NOTES:

- EXISTING FLUORESCENT LIGHT FIXTURES WITHIN BUILDING SHALL BE REPLACED AT SAME LOCATIONS WITH NEW LED LIGHT FIXTURES IDENTIFIED ON FLOOR PLANS. RECONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITS WITHIN ROOMS.
- NEW LIGHTING CONTROL SYSTEM SHALL BE WIRELESS LUTRON VIVE, EATON WAVELINX OR SENSORWORX.
- CONTRACTOR SHALL FIELD VERIFY EXISTING EMERGENCY BATTERY PACK LIGHT LOCATIONS AND REPLACE WITH NEW EMERGENCY BATTERY PACK LIGHT INDICATED ON FLOOR PLANS.
- CONTRACTOR SHALL REPLACE EXISTING EXIT SIGNS WITHIN BUILDING WITH NEW TYPE X1 EXIT SIGNS. RECONNECT NEW EXIT SIGNS TO EXISTING LIGHTING CIRCUITS. CONTRACTOR SHALL INCLUDE FIFTEEN (15) EXIT SIGNS PER FLOOR IN THEIR BID. FIELD VERIFY EXACT QUANTITY AND LOCATIONS PRIOR TO ORDERING/ INSTALLATION.

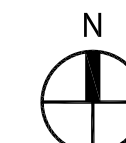
WIRELESS LIGHTING CONTROL NOTES:

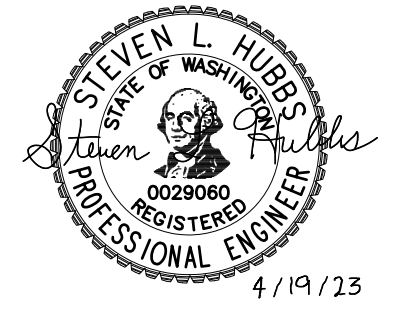
- ROOM CONTROLLED BY OCCUPANCY SENSOR. OCCUPANCY SENSOR SET TO SHUTOFF LIGHT AFTER 15 MINUTES OF NO OCCUPANCY - OCCUPANCY SENSOR SHALL BE AUTOMATIC OFF, MANUAL ON VIA LIGHT SWITCH.
- ROOM PROVIDED WITH INTERIOR DAYLIGHT PHOTOSENSOR SET FOR 30 FOOTCANDLES. ENTIRE ROOM SHALL BE PRIMARY DAYLIGHT ZONE AND LIGHTS SHALL DIM AUTOMATICALLY BASED ON DAYLIGHT READING WITHIN ROOM.
- ROOM PROVIDED WITH INTERIOR DAYLIGHT PHOTOSENSOR SET FOR 30 FOOTCANDLES. ROOM SHALL HAVE PRIMARY DAYLIGHT ZONE AND NON-DAYLIGHT ZONE WITHIN ROOM.
- ROOM SET TO BE ON FROM 6:00AM TO 9:00PM. AFTER HOURS ROOM LIGHTS SHALL BE CONTROLLED BY OCCUPANCY SENSOR.
- ROOM SET TO BE ON FROM 6:00AM TO 10:00PM. IF LIGHT SWITCH IS ACTIVATED AFTER HOURS LIGHTS SHALL TURN OFF AFTER 2-HOURS.
- PUBLIC CORRIDOR, STAIRWELLS AND LOBBY SHALL BE ON FROM 6:00AM TO 10:00PM.



LEVEL 1 LIGHTING FLOOR PLAN

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





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1	ADDENDUM #1	4/19/23

AHJ APPROVAL STAMP

LEVEL 2
 LIGHTING FLOOR
 PLAN

SHEET #
E20.02

LIGHTING GENERAL NOTES:

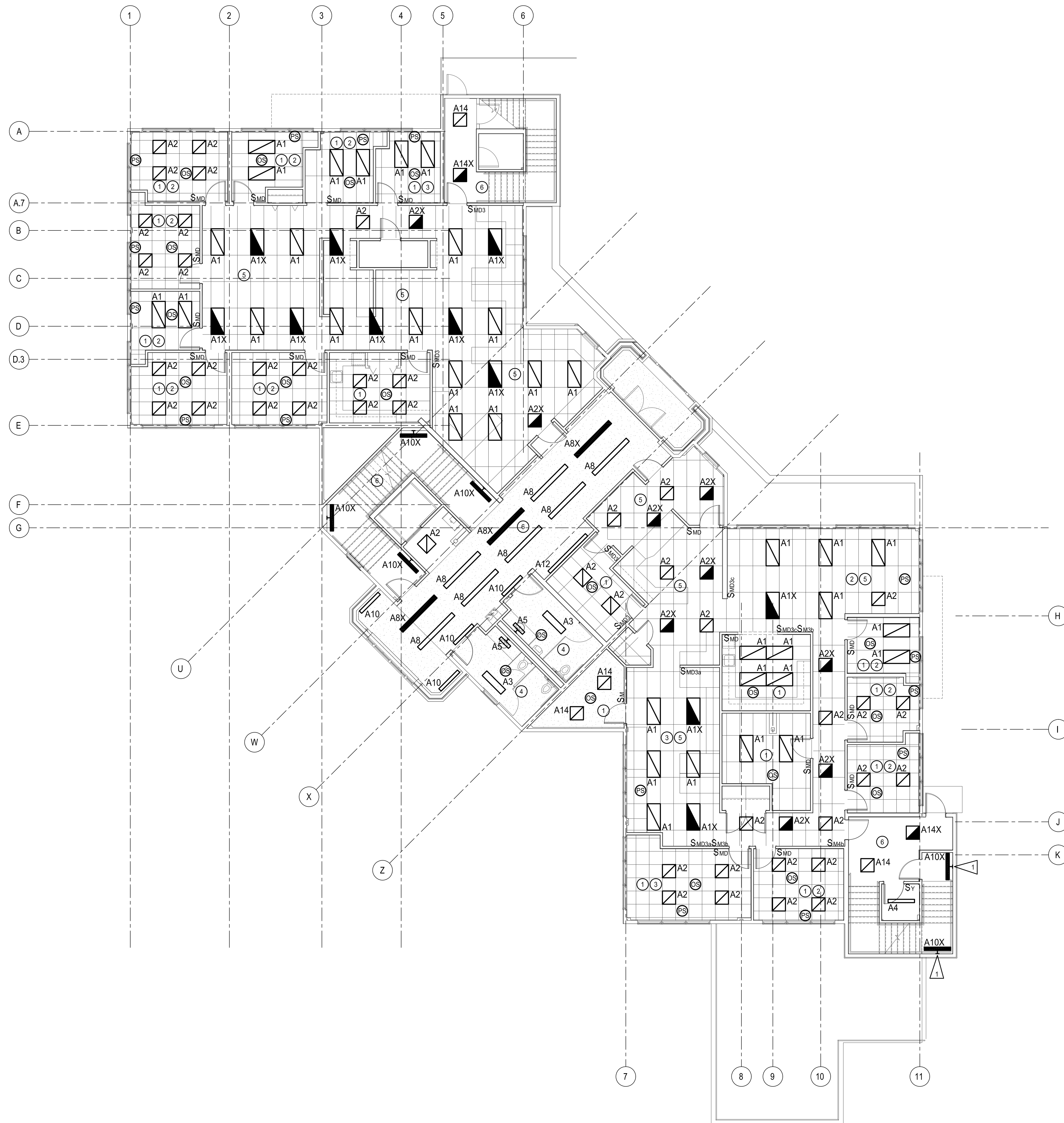
- EXISTING FLUORESCENT LIGHT FIXTURES WITHIN BUILDING SHALL BE REPLACED AT SAME LOCATIONS WITH NEW LED LIGHT FIXTURES IDENTIFIED ON FLOOR PLANS. RECONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITS WITHIN ROOMS.
- NEW LIGHTING CONTROL SYSTEM SHALL BE WIRELESS LUTRON VIVE, EATON WAVELINX OR SENSORWORX.
- CONTRACTOR SHALL FIELD VERIFY EXISTING EMERGENCY BATTERY PACK LIGHT LOCATIONS AND REPLACE WITH NEW EMERGENCY BATTERY PACK LIGHT INDICATED ON FLOOR PLANS.
- CONTRACTOR SHALL REPLACE EXISTING EXIT SIGNS WITHIN BUILDING WITH NEW TYPE X1 EXIT SIGNS. RECONNECT NEW EXIT SIGNS TO EXISTING LIGHTING CIRCUITS. CONTRACTOR SHALL INCLUDE FIFTEEN (15) EXIT SIGNS PER FLOOR IN THEIR BID. FIELD VERIFY EXACT QUANTITY AND LOCATIONS PRIOR TO ORDERING/ INSTALLATION.

WIRELESS LIGHTING CONTROL NOTES:

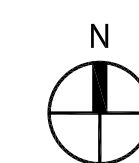
- ROOM CONTROLLED BY OCCUPANCY SENSOR. OCCUPANCY SENSOR SET TO SHUTOFF LIGHT AFTER 15 MINUTES OF NO OCCUPANCY - OCCUPANCY SENSOR SHALL BE AUTOMATIC OFF, MANUAL ON VIA LIGHT SWITCH.
- ROOM PROVIDED WITH INTERIOR DAYLIGHT PHOTOSENSOR SET FOR 30 FOOTCANDLES. ENTIRE ROOM SHALL BE PRIMARY DAYLIGHT ZONE AND LIGHTS SHALL DIM AUTOMATICALLY BASED ON DAYLIGHT READING WITHIN ROOM.
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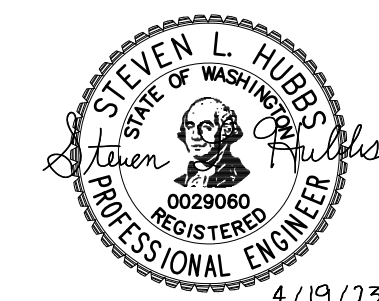
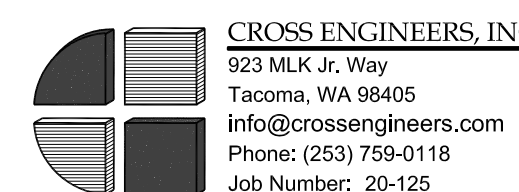
ELECTRICAL NOTES:

- CONTRACTOR SHALL REMOVE CEILING MOUNTED LIGHT FIXTURE AND PROVIDE NEW TYPE A10 WALL MOUNTED LIGHT FIXTURE AT +8'-0" ABOVE STAIR LANDINGS. PROVIDE NEW 3/4"C-(2)#12 CU & (1)#12 CU GRD AND CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT AND CONTROLS.



LEVEL 2 LIGHTING FLOOR PLAN
 SCALE: 1/8"=1'-0"





**PORT ORCHARD CITY HALL - BUILDING
IMPROVEMENTS
PORT ORCHARD CITY HALL
216 PROSPECT STREET
PORT ORCHARD, WA 98366**

PROJECT # 2020013

BID DOCUMENTS

ISSUE DATE MARCH 31, 2023

REVISION SCHEDULE		
1	ADDENDUM #1	4/19/23

AHJ APPROVAL STAMP

LEVEL 3
LIGHTING FLOOR
PLAN

SHEET #

E20.03

LIGHTING GENERAL NOTES:

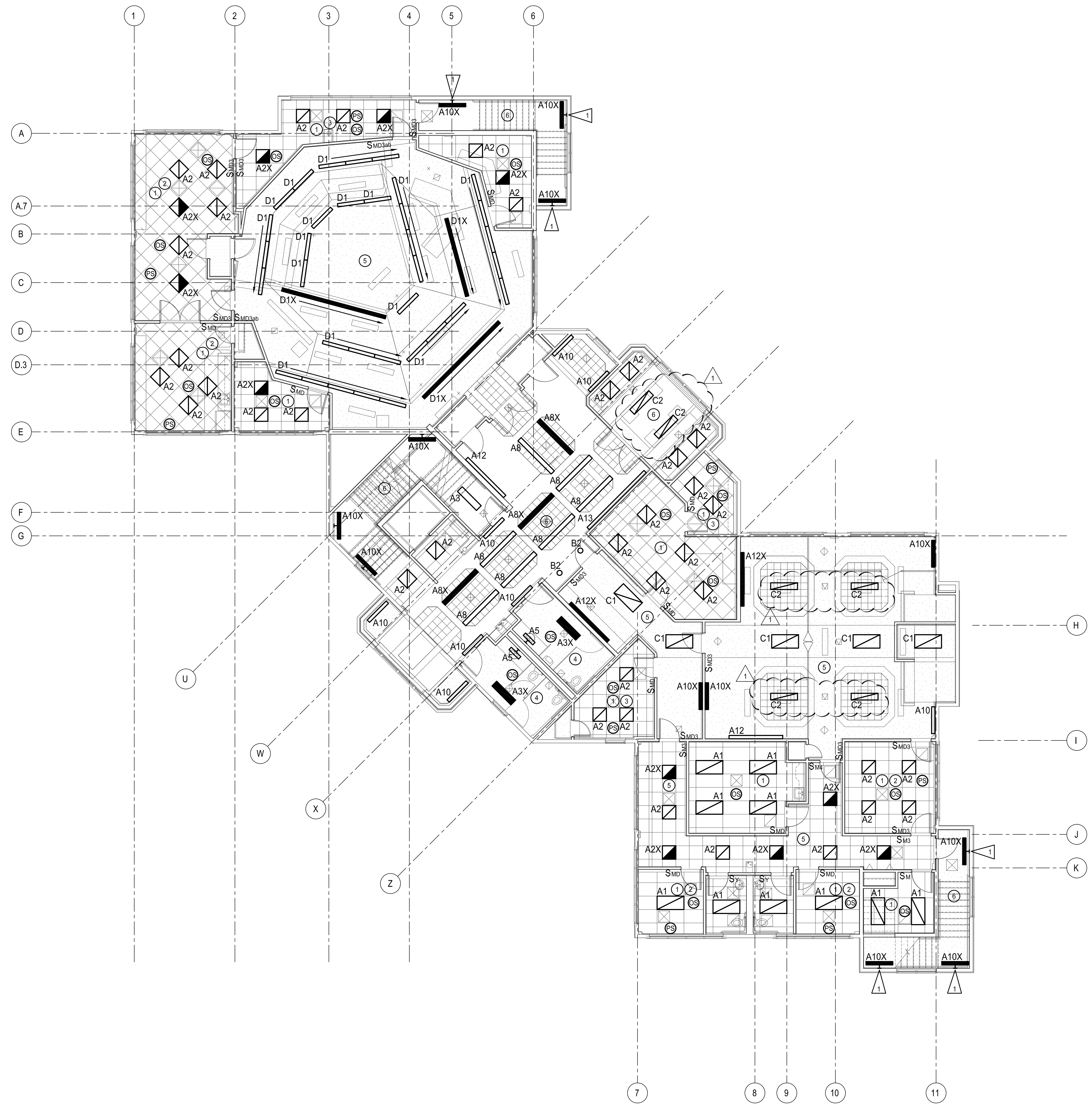
- EXISTING FLUORESCENT LIGHT FIXTURES WITHIN BUILDING SHALL BE REPLACED AT SAME LOCATIONS WITH NEW LED LIGHT FIXTURES IDENTIFIED ON FLOOR PLANS. RECONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITS WITHIN ROOMS.
- NEW LIGHTING CONTROL SYSTEM SHALL BE WIRELESS LUTRON VIVE, EATON WAVELINX OR SENSORWORX.
- CONTRACTOR SHALL FIELD VERIFY EXISTING EMERGENCY BATTERY PACK LIGHT LOCATIONS AND REPLACE WITH NEW EMERGENCY BATTERY PACK LIGHT INDICATED ON FLOOR PLANS.
- CONTRACTOR SHALL REPLACE EXISTING EXIT SIGNS WITHIN BUILDING WITH NEW TYPE X1 EXIT SIGNS. RECONNECT NEW EXIT SIGNS TO EXISTING LIGHTING CIRCUITS. CONTRACTOR SHALL INCLUDE FIFTEEN (15) EXIT SIGNS PER FLOOR IN THEIR BID. FIELD VERIFY EXACT QUANTITY AND LOCATIONS PRIOR TO ORDERING/ INSTALLATION.

WIRELESS LIGHTING CONTROL NOTES:

- ROOM CONTROLLED BY OCCUPANCY SENSOR. OCCUPANCY SENSOR SET TO SHUTOFF LIGHT AFTER 15 MINUTES OF NO OCCUPANCY - OCCUPANCY SENSOR SHALL BE AUTOMATIC OFF, MANUAL ON VIA LIGHT SWITCH.
- ROOM PROVIDED WITH INTERIOR DAYLIGHT PHOTSENSOR SET FOR 30 FOOTCANDLES. ENTIRE ROOM SHALL BE PRIMARY DAYLIGHT ZONE AND LIGHTS SHALL DIM AUTOMATICALLY BASED ON DAYLIGHT READING WITHIN ROOM.
- ROOM PROVIDED WITH INTERIOR DAYLIGHT PHOTSENSOR SET FOR 30 FOOTCANDLES. ROOM SHALL HAVE PRIMARY DAYLIGHT ZONE AND NON-DAYLIGHT ZONE WITHIN ROOM.
- ROOM SET TO BE ON FROM 6:00AM TO 9:00PM. AFTER HOURS ROOM LIGHTS SHALL BE CONTROLLED BY OCCUPANCY SENSOR.
- ROOM SET TO BE ON FROM 6:00AM TO 10:00PM. IF LIGHT SWITCH IS ACTIVATED AFTER HOURS LIGHTS SHALL TURN OFF AFTER 2-HOURS.
- PUBLIC CORRIDOR, STAIRWELLS AND LOBBY SHALL BE ON FROM 6:00AM TO 10:00PM.

ELECTRICAL NOTES:

- CONTRACTOR SHALL REMOVE CEILING MOUNTED LIGHT FIXTURE AND PROVIDE NEW TYPE A10 WALL MOUNTED LIGHT FIXTURE AT +8'-0" ABOVE STAIR LANDINGS. PROVIDE NEW 3/4"C-(2)#12 CU & (1)#12 CU GRD AND CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT AND CONTROLS.



LEVEL 3 LIGHTING FLOOR PLAN
SCALE: 1/8"=1'-0"

