MECHANICAL SPECIFICATIONS

PROVIDE EQUIPMENT INDICATED ON THE DRAWINGS, AND AS REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM. DEFINITIONS: FURNISH MEANS TO SUPPLY AND DELIVER TO PROJECT SITE, READY FOR INSTALLATION. INSTALL MEANS TO PLACE IN POSITION AND MAKE CONNECTIONS FOR SERVICE OR USE. PROVIDE MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE. WARRANTY: PROVIDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF THE COMPLETED PROJECT. PROVIDE A SEPARATE LINE ITEM DEDUCT AMOUNT ON THE PROPOSAL FORM TO DELETE WARRANTY SERVICE, AT THE OWNER'S OPTION. PROVIDE OPERATION MANUALS, MAINTENANCE MANUALS AND SCHEMATICS FOR ALL MECHANICAL EQUIPMENT INSTALLED. COORDINATION: COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. ROOF PENETRATIONS SHALL COMPLY WITH "SMACNA" AND "NRCA" STANDARDS. AND WITH THE REQUIREMENTS OF THE EXISTING ROOFING WARRANTY, IF APPLICABLE. DO NOT PERFORM ROOFING PENETRATIONS IN A MANNER WHICH WOULD VOID OR OTHERWISE LIMIT THE EXISTING ROOF WARRANTY. DUCT DIMENSIONS: UNLESS OTHERWISE NOTED. DUCT DIMENSIONS ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. SHEET METAL DUCTWORK: PROVIDE SHEET METAL DUCTWORK FABRICATED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS, FOR 1" W.G. PRESSURE CLASS SEAL CLASS "A". SHEET METAL SHALL BE GALVANIZED SHEET STEEL OF LOCK FORMING QUALITY, WITH G90 ZINC COATING. SHEET STEEL SHALL COMPLY WITH ASTM A653 STANDARD SPECIFICATION FOR STEEL SHEET METAL, ZINC COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT DIP PROCESS, AND A924 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR SHEET, METALLIC-COATED BY THE HOT DIP PROCESS. ALL ANGLE IRON USED FOR SUPPORT SHALL BE GALVANIZED. CONNECTIONS TO WALLS OR FLOOR SHALL BE AIR TIGHT WITH ANGLE IRON AND CAULKING. SEAL ALL DUCT SEAMS, TRANSVERSE AND LONGITUDINAL, AIR TIGHT. PROVIDE TURNING VANES AT ALL 90° ELBOWS. TRAPEZE DUCT HANGERS: PROVIDE MINIMUM 1" X 2" X 1" X 18 GAUGE CHANNELS WITH MINIMUM 1" X 18 GAUGE STRAPS TO STRUCTURAL SUPPORT. ROUND SHEET METAL DUCT: PROVIDE SPIRAL SEAM (ALL SIZES) OR SNAP LOCK (DUCT SIZES UP TO 10") GALVANIZED STEEL COMPLYING WITH SMACNA STANDARDS. SPIRAL SEAM DUCTWORK SHALL HAVE SMACNA SEAM TYPE RL-1. FIBER GLASS DUCT BOARD IS AN ACCEPTABLE ALTERNATIVE IF APPROVED BY OWNER AND THE LOCAL BUILDING CODE OFFICIAL. PRODUCT AND INSTALLATION MUST MEET NAIMA STANDARDS AND OTHER APPLICABLE CODES AND REGULATIONS. EXPOSED DUCTWORK: EXPOSED DUCTWORK SHALL BE CLEANED OF DEBRIS AND OIL. THEN WIPED DOWN WITH VINEGAR OR OTHER SURFACE PREPARING CHEMICAL TO PREPARE DUCT FOR PAINT. DUCT SEALANT: PROVIDE POLYMERIC RUBBER TYPE SEALANT FOR USE ON BOTH INTERIOR LOCATED DUCTWORK AND DUCTWORK EXPOSED TO OUTDOOR CONDITIONS. SEALER SHALL HAVE HIGH BONDING STRENGTH FOR SURE, FIRST TIME SEALING OF JOINTS IN LOW, MEDIUM, AND HIGH PRESSURE DUCT SYSTEMS. SEALER SHALL BE HIGH IN SOLID CONTENT. PROVIDE A TWO PART TAPE SEALING SYSTEM. CONSISTING OF WOVEN FIBER TAPE IMPREGNATED WITH A GYPSUM MINERAL COMPOUND, AND A MODIFIED ACRYLIC/SILICONE ACTIVATOR THAT REACTS EXOTHERMICALLY WITH THE TAPE. TWO PART TAPE SEALING SYSTEM MUST BE RATED FOR BOTH INDOOR AND OUTDOOR APPLICATION. TAPE SHALL NOT CONTAIN ASBESTOS. DUCT INSULATION: MATERIAL FOR SUPPLY AND RETURN AIR DUCT ABOVE CEILING INSIDE THE BUILDING SHALL HAVE THE EQUIVALENT THERMAL RESISTANCE OF MINIMUM R-6. THE REQUIRED R VALUES ARE FOR INSTALLED INSULATION WITH 25% COMPRESSION AT THE CORNERS. PROVIDE PINS AND WASHERS IN ACCORDANCE WITH SMACNA REQUIREMENTS AND AS REQUIRED TO PREVENT INSULATION FROM SAGGING. PROVIDE ADEQUATE INSULATION AT THE SUPPLY AIR DIFFUSERS TO PREVENT CONDENSATION. FLEXIBLE DUCT: UL #181 LISTED, CLASS 1, AND CONTAIN A 0.1 PERM RATED POLYETHYLENE INNER LINER, WITH R-8 FIBERGLASS INSULATION. FLEXIBLE DUCTS SHALL BE SECURED TO RIGID SHEET METAL COLLARS AND AIR DIFFUSERS WITH NYLON TIES OR STAINLESS STEEL WORM GEAR STRAPS. SEAL ALL CONNECTIONS AND JOINTS AIRTIGHT. SUPPORT FLEXIBLE DUCTS FROM THE BUILDINGS STRUCTURE WITH MINIMUM 1" WIDE, 18 GAUGE, GALVANIZED STEEL STRAP AT MAXIMUM 4'-0" CENTERS. PROVIDE 4" WIDE SHEET METAL SADDLES AT EACH SUPPORT EACH STRAP. SAG OF FLEXIBLE DUCT BETWEEN HANGERS SHALL NOT EXCEED 1/2" PER FOOT OF SUPPORT SPACING. RADIUS FOR TURNS OF FLEXIBLE DUCTS SHALL BE A MINIMUM OF ONE DUCT DIAMETER. FLEXIBLE DUCT RUNS SHALL NOT EXCEED 10'-0" IN LENGTH AND SHALL BE THE SAME SIZE AS THE DIFFUSER NECK CONNECTION. ROUND VOLUME DAMPERS: PROVIDE MINIMUM 20 GAUGE GALVANIZED STEEL FRAME AND BLADES, MINIMUM 3/8" SQUARE STEEL AXLE, MOLDED SYNTHETIC BEARINGS, WITH LOCKING POSITION REGULATOR. REGULATOR SHALL BE POSITIONED WITH SHEET METAL BRACKET BEYOND DUCT COVERING. WHERE POSITIONING REGULATOR IS NOT ACCESSIBLE, PROVIDE COUPLING AND EXTENSION ROD WITH REGULATOR FOR CEILING OR WALL INSTALLATION, AS REQUIRED. RECTANGULAR VOLUME DAMPERS: PROVIDE MINIMUM 16 GAUGE GALVANIZED STEEL CHANNEL FRAME, 16 GAUGE GALVANIZED STEEL BLADES, MINIMUM 1/2" HEXAGONAL AXLE, BOLDED SYNTHETIC BEARINGS, WITH 3/8" SQUARE PLATED STEEL CONTROL SHAFT. LINKAGES SHALL BE CONCEALED IN THE FRAME. OPERATING SHAFT SHALL EXTEND BEYOND FRAME AND DUCT TO A LOCKING QUADRANT WITH ADJUSTABLE LEVER. MAXIMUM BLADE WIDTH SHALL NOT EXCEED 6".

DUCT TURNING VANES: PROVIDE FABRICATED TURNING VANES AND VANE RUNNERS, CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". PROVIDE TURNING VANES CONSTRUCTED OF CURVED BLADES SUPPORTED WITH BARS PERPENDICULAR TO BLADES, AND SET INTO SIDE STRIPS SUITABLE FOR MOUNTING IN DUCTWORK. FOLLOW SMACNA GUIDELINES FOR SPACING SUPPORT, AND CONSTRUCTION. ALL BLADES SHALL BE DOUBLE THICKNESS AIRFOIL TYPE. FLEXIBLE DUCT CONNECTORS: PROVIDE U.L. LABELED 30 OUNCE NEOPRENE COATED FIBERGLASS FABRIC DUCT CONNECTORS. DUCT ACCESS DOORS: PROVIDE HINGED ACCESS DOORS IN DUCTWORK WHERE REQUIRED FOR ACCESS TO EQUIPMENT. PROVIDE INSULATED ACCESS DOORS FOR INSULATED DUCTWORK. CONSTRUCT OF SAME OR THICKER GAUGE SHEET METAL AS DUCT IN WHICH IT IS INSTALLED. PROVIDE FLUSH FRAMES FOR UN-INSULATED DUCTS, AND EXTENDED FRAMES FOR EXTERNALLY INSULATED DUCTS. PROVIDE CONTINUOUS HINGE ON ONE SIDE, WITH ONE HANDLE-TYPE LATCH FOR ACCESS DOORS 12" HIGH AND SMALLER, AND TWO HANDLE-TYPE LATCHES FOR LARGER ACCESS DOORS. HVAC CONTROL SYSTEM: PROVIDE ALL THE NECESSARY CONTROLS AND CONTROL WIRING IN CONDUIT COMPATIBLE TO SYSTEMS SHOWN ON EQUIPMENT SCHEDULE M2.0. PROGRAMMABLE THERMOSTAT FOR EACH SYSTEM SHALL ENABLE THE SUPPLY FAN AND CYCLE THE COOLING AND HEATING STAGES TO MAINTAIN SPACE SET-POINT. SUPPLY FAN RUNS CONTINUOUSLY DURING THE OCCUPIED MODE. EACH THERMOSTAT SHALL HAVE A DEAD BAND OF AT LEAST 5 DEGREES (ADJ) WITHIN WHICH THE SUPPLY OF HEATING AND COOLING IS SHUT OFF, EACH THERMOSTAT SHALL HAVE SETBACK AND SET-UP CAPABILITY DURING THE UNOCCUPIED MODE. FOR SETBACK, THE HEATING SHALL RESTART AND TEMPORARILY OPERATE ACCORDING TO A SET-POINT ADJUSTABLE DOWN TO 55 DEGREES. FOR SET-UP, THE COOLING SHALL RESTART AND TEMPORARILY OPERATE ACCORDING TO A SET-POINT ADJUSTABLE UP TO 85 DEGREES OR TO PREVENT HIGH SPACE HUMIDITY LEVELS. EACH SYSTEM SHALL BE PROVIDED WITH A MOTORIZED OUTSIDE AIR DAMPER THAT WILL AUTOMATICALLY SHUT WHEN THE SYSTEM OR SPACES SERVED ARE NOT IN USE. VENTILATION OUTSIDE AIR DAMPERS SHALL BE CAPABLE OF AUTOMATICALLY CLOSING DURING PREOCCUPANCY BUILDING WARM-UP, COOL DOWN, AND SETBACK, EXCEPT WHEN VENTILATION REDUCES ENERGY COSTS (e.g., NIGHT PURGE) OR WHEN VENTILATION MUST BE SUPPLIED TO MEET CODE REQUIREMENTS. COMMISSIONING/VERIFICATION: HVAC CONTROL SYSTEM SHALL BE TESTED TO ENSURE THAT CONTROL ELEMENTS ARE CALIBRATED, ADJUSTED, AND IN PROPER WORKING CONDITION, AND THAT THE SYSTEM MEETS THE DESIGN REQUIREMENTS. TEST AND BALANCE: CONTRACT DIRECTLY A THIRD PARTY TO PROVIDE TEST AND BALANCE OF THE HVAC SYSTEM. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING. TEST AND ADJUST ALL MECHANICAL SYSTEM AND EQUIPMENT TO ASSURE PROPER BALANCE AND OPERATION. PERFORM TESTS IN ACCORDANCE WITH NEBB PROCEDURAL STANDARDS-1999 OR AABC 2002, AND ASHRAE STANDARD 111. ELIMINATE NOISE AND VIBRATION, AND ASSURE PROPER FUNCTION OF CONTROLS. SUBMIT COMPLETED TEST AND BALANCE REPORT TO OWNER'S REPRESENTATIVE. BALANCING CONTRACTOR SHALL BE INDEPENDENT AND CERTIFIED WITH NEBB OR AABC. BALANCE ALL SYSTEMS WITHIN 5% OF AIR FLOW INDICATED ON DRAWINGS, AND REPORT ALL DISCREPANCIES TO THE HVAC CONTRACTOR FOR CORRECTION. MARK FINAL BALANCE POSITIONS ON DAMPERS WITH PERMANENT MARKER. COMPLETION REQUIREMENTS: THE CONTRACTOR SHALL PROVIDE, WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS AND AN OPERATING AND MAINTENANCE MANUAL TO THE BUILDING OWNER OR THE DESIGNATED REPRESENTATIVE OF THE OWNER. THE RECORD DRAWING SHALL BE OF THE ACTUAL INSTALLATION AND INCLUDE AS A MINIMUM THE LOCATION AND PERFORMANCE DATA ON EACH PIECE OF EQUIPMENT, GENERAL CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM INCLUDING SIZES, AND THE TERMINAL AIR OR WATER DESIGN FLOW RATES. THE OPERATING AND MAINTENANCE MANUALS SHALL BE IN ACCORDANCE WITH INDUSTRY-ACCEPTED STANDARDS AND SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING; (A) SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE; (B) OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED; (C) NAMES AND ADDRESSES OF AT LEAST ONE SERVICE AGENCY; (D) HVAC CONTROLS SYSTEMS MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SYSTEM SEQUENCE DESCRIPTIONS. DESIRED OR FIELD-DETERMINED SET-PIONTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT CONTROL DEVICES OR. FOR DIGITAL CONTROL SYSTEMS, IN PROGRAMMING COMMENTS;

(E) A COMPLETE NARRATIVE OF HOW EACH SYSTEM EACH

SYSTEM IS INTENDED TO OPERATE. INCLUDING SET-POINTS.

HVAC GENERAL NOTES

- 1. THE INTENT OF THESE PLANS AND SPECIFICATIONS IS TO INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND SERVICES NECESSARY TO FURNISH, INSTALL, TEST, AND ADJUST A COMPLETE WORKABLE HEATING, VENTILATION, AND AIR CONDITIONING SYSTEM AS SHOWN, PRESCRIBED, OR REASONABLY IMPLIED BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE CONTRACT DOCUMENTS, BUT NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE INTENT THEREOF.
- 2. THE ENTIRE INSTALLATION SHALL CONFORM TO THE APPLICABLE CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION. IN THE EVENT OF CONFLICT BETWEEN SPECIFICATIONS, CODES, AND REGULATIONS, THE MORE RESTRICTIVE SHALL APPLY.
- 3. DRAWINGS FOR HVAC WORK ARE DIAGRAMATIC SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT, REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. PROVIDE ALL DUCTWORK, MATERIALS, CONNECTIONS, ACCESSORIES, FITTINGS, OFFSETS, TRANSITIONS, DAMPERS AS REQUIRED FOR A COMPLETE WORKABLE SYSTEM.
- 4. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND APPROVED LISTING. ALL EQUIPMENT, PIPING AND SUPPORTS SHALL BE RESTRAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE "GUIDLINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS" BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA). ALL EQUIPMENT SHALL BE ANCHORED TO RESIST THE LATERAL FORCE REQUIREMENTS OF CHAPTER 16 OF THE 2012 CAILFORNIA BUILDING CODE.
- 5. COORDINATE THE INSTALLATION OF THE HVAC SYSTEM WITH ALL OTHER TRADES PRIOR TO FABRICATION OR INSTALLATION. COORDINATE THE LOCATIONS OF PENETRATIONS AND FINAL LOCATION OF ALL EQUIPMENT WITH THE GENERAL CONTRACTOR. PROVIDE EQUIPMENT WEIGHTS, EQUIPMENT DIMENSIONS, PLATFORM SIZES & LOCATIONS, CURB SIZES & LOCATIONS, CONCRETE PAD SIZES AND LOCATIONS AST REQUIRED. COORDINATE LOCATIONS OF GAS & CONDENSATE LINES WITH PLUMBING CONTRACTOR. COORDINTAE LOCATIONS OF POWER, DISCONNECTS, AND CONTROL CONDUIT WITH THE ELECTICAL CONTRACTOR. COORDINATE LOCATIONS OF ALL DIFFUSERS, REGISTERS, AND GRILLES WITH ARCHITECTURAL PLANS, ELECTRICAL LIGHTING PLANS AND ARCHITECTURAL ELEVATIONS.
- 6. DETAILS FOR EQUIPMENT PADS, PLATFORMS, AND FLASHINGS SHALL BE AS INDICATED BY THE ARCHITECTURAL/STRUCTURAL/CIVIL DRAWINGS, UNLESS NOTED OTHERWISE.
- ALL EQUIPMENT, DUCTS, PIPING, SUPPORTS, AND OTHER DEVICES OUTSIDE OF THE BUILDING OR EXPOSED TO WEATHER, SHALL BE COMPLETELY WEATHER-PROOFED.
 OUTSIDE AIR INTAKES SHALL BE AT LEAST 10 FT. AWAY OR 3 FT. BELOW ANY VENT OR
- EXHAUST DISCHARGE.

 9. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. DUCTWORK SHALL BE
 CONSTRUCTED, ERECTED, INSULATED AND TESTED IN ACCORDANCE CHARTER 6 OF
- CONSTRUCTED, ERECTED, INSULATED AND TESTED IN ACCORDANCE CHAPTER 6 OF THE 2022 CALIFORNIA MECHANICAL CODE.

 10. ALL EXHAUST FANS SHALL BE EQUIPPED WITH A BACK DRAFT DAMPER.
- 11. DUCT AND AIR TRANSFER PENETRATIONS THRU BUILDING ASSEMBLIES REQUIRING PROTECTION SHALL BE PROTECTED WITH FIRE DAMPERS, SMOKE DAMPERS, COMBINATION SMOKE/FIRE DAMPERS AND CEILING RADIATION DAMPERS IN ACCORDANCE WITH SECTION 607 OF THE CALIFORNIA MECHANICAL CODE. DUCTS NOT REQUIRING DAMPERS SHALL COMPLY WITH SECTION 714 & 717 OF THE 2022 CALIFORNIA BUILDING CODE.
- 12. INSTALL SMOKED DETECTORS AND PROVIDE FOR SMOKE DETECTION AND AUTOMATIC SHUT-OFF OF ALL AIR HANDLING EQUIPMENT IN ACCORDANCE WITH SECTION 606 OF THE 2022 CALIFORNIA MECHANICAL CODE.
- 13. UNLESS NOTED OTHERWISE, ALL LINE VOLTAGE WIRING, CONDUIT, FINAL CONNECTIONS, DISCONNECTS, STARTERS, AND OVER CURRENT PROTECTION DEVICES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS INDICATED ON THESE MECHANICAL DRAWINGS AND/OR ELECTRICAL DRAWINGS AND/OR ELECTRICAL SECTION OF THE SPECIFICATIONS.
- 14. INSTALL ALL LOW VOLTAGE HVAC CONTROL WIRE AND DEVICES PER PLAN. ALL WIRE SHALL BE IN CONDUIT PROVIDED AND INSTALLED BY THE ELECTICAL CONTRACTOR UNLESS NOTEDED OTHERWISE.
- 15. PROVIDE OWNER WITH THREE COPIES OF A CERTIFIED AIR BALANCE REPORT PREPARED IN BY A THIRD PARTY CERTIFIED BY THE AABC OR NEBB. TEST, ADJUST AND BALANCE THE HVAC SYSTEM IN ACCORDANCE WITH AABC OR NEBB PROCEDURES. PROVIDE START-UP/TEST REPORTS FOR ALL AIR HANDLING EQUIPMENT, FANS, AND REFRIGERATION EQUIPMENT. TEST AND VERIFY PROPER OPERATION OF ALL MAKE-UP AIR/EXHAUST AIR INTERLOCK SYSTEMS AND THIER SEQUENCES OF OPERATION. BALANCE ALL AIR FLOWS WITHIN 5% OF DESIGN VALUES. PERMANENTLY MARK BALANCE POSITION OF ALL REGULATING DEVICES.
- 16. PROVIDE OWNER WITH THREE SETS OF AS-BUILT PLANS AND OPERATIONS AND MAINTENANCE MANUALS. CLEARLY IDENTIFY ALL EQUIPMENT WITH PERMANENT PLASTIC OR METAL LABELS/TAGS (PEN MARKING NOT ACCEPTABLE).
- 17. PROVIDE ONE YEAR WARRANTY ON ALL LABOR, PARTS AND MATERIALS.
 18. ANY CHANGE OR DEVIATION FROM THESE PLANS OR SPECIFICATIONS SHALL REQUIRE THE WRITTEN APPROVAL OF THE ENGINEER PRIOR TO COMMENCEMENT OF SUCH WORK. 19.0
- a) DUCTS FOR DEMAND CONTROLLED VENTILATION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE FAN MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE PROVISIONS ASHRAE 62.2, TABLE 5.3, OR THE AIRFLOW SHALL BE MEASURED AS REQUIRED BY AND IN COMPLIANCE WITH ASHRAE 62.2, 5.4.
- 1) DUCTS FOR KITCHEN COOKTOPS OR RANGES SHALL BE SHOWN OF METAL WITH A SMOOTH INTERIOR.
- a) DUCTS FOR DOMESTIC CLOTHES DRYERS SHALL BE INSTALLED IN ACCORDANCE WITH CMC 504.0.
- b) DUCTS FOR DOMESTIC CLOTHES DRYERS SHALL BE RIGID METALLIC DUCTS WITH A MINIMUM MILL THICKNESS OF 16 (0.016-INCH), SHALL HAVE A MINIMUM 4-INCH DIAMETER AND A SMOOTH INTERIOR. THE COMBINED HORIZONTAL AND VERTICAL LENGTH OF THE DUCTS OF THE DUCTS SHALL BE 14-FEET, WHICH SHALL BE REDUCED BY 2-FEET FOR EVERY 90-DEGREE ELBOW IN EXCESS OF TWO ELBOWS.
- c) LISTED CLOTHES DRYER TRANSITION DUCTS NOT MORE THAN 6-FEET IN LENGTH SHALL BE PERMITTED TO CONNECT THE DRYER TO THE EXHAUST DUCTS AS LONG AS THEY ARE NOT CONCEALED WITHIN CONSTRUCTION, AND THEY ARE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

		LEGEND		
AxB		DUCT WORK (WIDTHxDEPTH)		
АхВ		LINED DUCT WORK (WIDTHXDEPTH DIMENSIONS ARE FOR I.D.)		
		SUPPLY DUCT, SECTION		
		RETURN DUCT, SECTION		
		EXHAUST DUCT, SECTION		
-RORDI-		RISE OR DROP IN DIRECTION OF AIR FLOW		
+ 11 +	FLEX. CONN.	FLEXIBLE CONNECTION		
		DUCT TRANSITION, ROUND AND RECTANGULAR		
1 1		SPLITTER DAMPER		
+ = +		EXTRACTOR AT BRANCH DUCT		
		TURNING VANES		
-\\\\-		FLEXIBLE DUCT		
\$		SINGLE LINE DUCT WORK		
	AVD	AUTOMATIC VOLUME DAMPER		
	MVD	MANUAL VOLUME DAMPER		
+ +	BDD	BACKDRAFT DAMPER		
+	MD	MODULATING DAMPER		
+ +	AFD	AUTOMATIC FIRE DAMPER		
- 0	AD	ACCESS DOOR		
	SD	SUPPLY DIFFUSER		
✓ - V	RR	RETURN REGISTER		
<u> </u>	ER	EXHAUST REGISTER		
	SWR	SIDE WALL SUPPLY REGISTER		
	SWE	SIDE WALL RETURN OR EXHAUST		
·····	LD	LINEAR DIFFUSER		
— D.L. —	DL	DOOR LOUVER		
— U.C. →	UC	UNDER CUT DOOR		
	VAV	VARIABLE AIR VOLUME		
T		THERMOSTAT		
<u>(S)</u>		DUCT SMOKE DECTECTOR		
	T/B	TO BELOW		
	F/B	FROM BELOW		
	T/A	TO ABOVE		
	F/A	FROM ABOVE		

LECENID

SPECIAL NOTICE TO CONTRACTORS

- 1. ALL CONTRACTORS (GENERAL CONTRACTOR AND SUB-CONTRACTORS)
 BIDDING THIS PROJECT ARE REQUIRED TO VISIT THE JOB SITE AND VERIFY
 THE EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID.
 CONTRACTORS ARE TO CAREFULLY REVIEW ALL CONSTRUCTION
 DOCUMENTS AND NOTE ANY DISCREPANCIES BETWEEN THE
 CONSTRUCTION DOCUMENTS AND THE CONDITIONS OBSERVED AT THE
 JOB SITE PRIOR TO SUBMISSION OF ANY BID. THE BUILDING OWNER
 REPRESNENTATIVE LISTED BELOW MAY BE CONTACTED FOR ACCESS TO
 THE JOB SITE.
- 2. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING THE LOCATION AND CONDITION OF ALL POINTS OF CONNECTION, LOCATION AND CONDITION OF ALL BUILDING (ROOF/FLOOR/CEILING) PENETRATIONS, LOCATION AND CONDITION OF ALL UTILITIES AND BUILDING SYSTEMS INCLUDING, BUT NOT LIMITED TO, GAS, WATER, SEWER, VENT, ELECTRICAL, BUILDING MECHANICAL SYSTEMS, DUCT CONNECTIONS, EXHAUST/OUTSIDE AIR CONNECTIONS, SECURITY, FIRE ALARM, DATA, AND PHONE PRIOR TO SUBMISSION OF THEIR BID.
- 3. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE CONDITIONS OBSERVED SHALL BE BROUGHT TO THE ATTENTION, IN WRITING, TO THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 4. NO WORK SHALL BE DONE ON ANY PART OF THE BUILDING BEYOND THE POINT INDICATED IN EACH SUCCESSIVE INSPECTION WITHOUT FIRST OBTAINING THE WRITTEN APPROVAL OF THE CODE OFFICIAL. NO CONSTRUCTION SHALL BE CONCEALED WITHOUT BEING INSPECTED AND APPROVED.

MECHANICAL LIST OF DRAWINGS (LoD):

SHEET TAG	TITLE	SCALE		
M 0.00	MECH GENERAL NOTES AND SPECIFICATIONS.	NTS		
M 0.01	MECHANICAL CODE CHECKING.	NTS		
M 1.01	M 1.01 MAIN FLOOR - MECHANICAL LAYOUT.			
M 2.01	MECHANICAL EQUIPMENT SCHEDULE.	NTS		
M 3.01	HEAT LOADS CALCULATIONS.	NTS		
M 4.01	MECHANICAL EQUIPMENT DATA SHEETS.	NTS		
M 5.01	MECHANICAL GENERAL DETAILS.	NTS		

CLIENT:

ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

ALL DRAWINGS AND WRITTEN MATERIALS

APPEARING HEREIN CONSTITUTE THE

ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER AND THE SAME MAY NOT BE

DUPLICATED, USED OR DISCLOSED WITHOUT

CONSENT OF THE DESIGNER.

NOTES

ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE.
 THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS.

3. THE CONTRACTOR MUST CHECK ALL
DIMENSION AT SITE BEFORE COMMENCING
WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR
PROVIDING ALL NECESSARY TEMPORARY

SUPPORT TO THE BUILDING AND ANY

ADJACENT STRUCTURES.

EV. NO.	DESCRIPTION	DATE	BY

DO IECT:

Proposed Property Development

Element 7 Cannabis Retail

MECH GENERAL NOTES AND SPECIFICATIONS

PROJ. NO. PROJ. ENGR. SCALE @ 24X36:

NTS

DRAWING NO. REV.

M 0 . 0 0

CALIFORNIA MECHANICAL CODE CHECKING:

DUCT SIZING, THICKNESS & INSULATION

PLEASE REFER TO TABLE 506.2(1) FOR MINIMUM S HEET METAL THICKNESS FOR ROUND DUCTS

604.0 Insulation of Ducts.

604.1 General. Air ducts conveying air at temperatures exceeding 140°F (60°C) shall be insulated to maintain an insulation surface temperature of not more than 140°F (60°C). Factory-made air ducts and insulations intended for installation on the exterior of ducts shall be legibly printed with the name of the manufacturer, the thermal resistance (R) value at installed thickness, flame-spread index, and smoke developed index of the composite material. Internal duct liners and insulation shall be installed in accordance with SMACNA HVAC Duct Construction standards – Metal and Flexible. [OSHPD 1, 1R, 2, 3, 4 & 51 Cold air ducts shall be insulated wherever necessary or to prevent condensation.

Exceptions:

- (1) Factory-installed plenums, casings, or ductwork furnished as part of HVAC equipment tested and rated in accordance with approved energy efficiency standards.
- (2) Ducts or plenums located in conditioned spaces where heat gain or heat loss will not increase energy use.
- (3) For runouts less than 10 feet (3048 mm) in length to air terminals or air outlets, the rated R-value of insulation need not exceed R-3.5.
- (4) Backs of air outlets and outlet plenums exposed to unconditioned or indirectly conditioned spaces with face areas exceeding 5 square feet (0.5m²) need not exceed R-2; those 5 square feet (0.5m²) or smaller need to be insu-
- (5) Ducts and plenums used exclusively for evaporative cooling systems.

E 502.4 Ducts. Ducts shall be sized, installed, and tested in accordance with Section E 502.4.1 though Section E 502.4.4.

E 502.4.1 Insulation and Ducts. Portions of the air distribution system installed in or on buildings for heating and cooling shall be R-8. Where the mean outdoor dew-point temperature in a month exceeds 60°F (16°C) vapor retarders shall be installed on conditioned-air supply ducts. Vapor retarders shall have a water vapor permeance not exceeding 0.5 perm [2.87 E-11 kg/(Pa.s.m²)] where tested in accordance with Procedure A in ASTM E96.

Insulation shall not be required where the ducts are within the conditioned space. [ASHRAE 90.2:6.4]

E 502.4.4 Duct Sizing. Duct systems shall be sized in accordance with ACCA Manual D or other methods approved by the Authority Having Jurisdiction with the velocity in the main duct not exceed 1000 feet per minute (ft/min) (5.08m/s) and the velocity in the secondary branch duct not to exceed 600 ft/min (3.048 m/s).

FACTORY-MADE AIR DUCTS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL

FACTORY-MADE AIR DUCTS SHALL NOT BE USED FOR VERTICAL RISERS IN AIR-DUCT

FACTORY-MADE AIR DUCTS SHALL BE INSTALLED WITH NOT LESS THAN 4 INCHES (102

MM) OF SEPARATION FROM EARTH. EXCEPT WHERE INSTALLED AS A LINER INSIDE OF

THE TEMPERATURE OF THE AIR TO BE CONVEYED IN A DUCT SHALL NOT EXCEED 250°F

CONCRETE, TILE, OR METAL PIPE AND SHALL BE PROTECTED FROM PHYSICAL DAMAGE.

181 AND INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING, THE

MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND SMACNA HVAC DUCT

SYSTEMS SERVING MORE THAN TWO STORIES AND SHALL NOT PENETRATE A

CONSTRUCTION STANDARDS-METAL AND FLEXIBLE.

FIRE-RESISTANCE-RATED ASSEMBLY OR CONSTRUCTION.

(121° C). FLEXIBLE AIR CONNECTORS SHALL NOT BE PERMITTED.

FACTORY-MADE AIR DUCTS

CONDENSATE DRAIN:

310.0 Condensate Wastes and Control.

310.1 Condensate Disposal. Condensate from air washers, air-cooling coils, condensing appliances, and the overflow from evaporative coolers and similar water-supplied equipment or similar air-conditioning equipment shall be colected and discharged to an approved plumbing fixture or disposal area. Where discharged into the drain system, equipment shall drain by means of an indirect waste pipe. The Waste pipe shall have a slope of not less than $\frac{1}{8}$ inch per foot (10.4 mm/m) or 1 percent slope and shall be of approved corrosion-resistant material not smaller than the outlet size in accordance with Section 310.3 or Section 310.4 for air-cooling coils or condensing appliances, respectively. Condensate or wastewater shall not drain over a public way.

310.3 Condensate Waste Pipe Material and Sizing.

Condensate waste pipes from air-cooling coils shall be sized in accordance with the equipment capacity as specified in Table 310.3. The material of the piping shall comply with the pressure and temperature rating of the appliance or equipment, and shall be approved for use with the liquid being discharged.

TABLE 310.3 MINIMUM CONDENSATE WASTE PIPE SIZE

EQUIPMENT CAPACITY IN TONS OF REFRIGERATION	MINIMUM CONDENSATE PIPE DIAMETER (inches)
Up to 20	3/4
21 – 40	1
41 – 90	1 1/4
91 – 125	11/2
126 – 250	2

For SI units: 1 ton of refrigeration = 3.52 kW, 1 inch = 25 mm

310.3.1 Cleanouts. Condensate drain lines shall be configured or provided with a cleanout to permit the clearing of blockages and for maintenance without requiring the drain line to be cut.

310.5 Point of Discharge. Air conditioning condensate waste pipes shall connect indirectly, except where permitted in Section 310.6, to the drainage system through an air gap or air break to trapped and vented receptors, dry wells, leach pits, or the tailpiece of plumbing fixtures. A condensate drain shall be trapped in accordance with the appliance manufacturer's instructions or as approved.

310.6 Condensate Waste From Air-Conditioning

Coils. Where the condensate waste from air-conditioning coils discharges by direct connection to a lavatory tailpiece or to an approved accessible inlet on a bathtub overflow, the connection shall be located in the area controlled by the same person controlling the air-conditioned space.

RECTANGULAR DUCTS

SUPPORTS FOR RECTANGULAR DUCTS SHALL BE INSTALLED ON TWO OPPOSITE SIDES OF EACH DUCT AND SHALL BE RIVETED, BOLTED, OR METAL SCREWED TO EACH SIDE OF THE DUCT AT INTERVALS SPECIFIED.

METAL DUCTS

DUCTS SHALL BE SUPPORTED AT EACH CHANGE OF DIRECTION AND IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE. RISER DUCTS SHALL BE HELD IN PLACE BY MEANS OF METAL STRAPS OR ANGLES AND CHANNELS TO SECURE THE RISER TO THE STRUCTURE.

METAL DUCTS SHALL BE INSTALLED WITH NOT LESS THAN 4 INCHES (102 MM) SEPARATION FROM EARTH. DUCTS SHALL BE INSTALLED IN A BUILDING WITH CLEARANCES THAT WILL RETAIN THE FULL THICKNESS OF FIRE-PROOFING ON STRUCTURAL MEMBERS.

COMBUSTIBLES WITHIN DUCTS OR PLENUMS

MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE-DEVELOPED INDEX NOT TO EXCEED 50. WHERE TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E84 OR

AIR INTAKE AND EXHAUST:

 $\frac{1}{2}$ of an inch (12.7 mm) openings.

with ASHRAE 62.1.

and operable windows.

comply with Section 414.1.

(CALGreen).

54:9.3.7.2]

402.4 Outdoor Air Intake Protection. Required outdoor-

402.4.1 Weather Protections. Outdoor air intakes that

are part of the mechanical ventilation system shall be

designed to manage rain entrainment, to prevent rain

intrusion, and manage water from snow in accordance

402.5 Bathroom Exhaust Fans. [HCD 1 & HCD 2] Each

407.2.2 Exhaust Outlets. Exhaust outlets shall be

Exception: Airborne infection isolation rooms shall

701.10.1 Minimum Screen Mesh Size. Screens shall

is 3 feet (914 mm) above the outside-air inlet.

be not less than $\frac{1}{4}$ of an inch (6.4 mm) mesh. [NFPA]

bathroom shall be mechanically ventilated in accordance with

Division 4.5 of the California Green Building Standards Code

located a minimum of 10 feet (3048 mm) above adjoining

grade and 10 feet (3048 mm) from doors, occupied areas,

311.3 Prohibited Source. Outside or return air for a heating

or cooling air system shall not be taken from the following loca-

Less than 10 feet (3048 mm) in distance from an appliance

or the discharge outlet of an exhaust fan, unless the outlet

(2) Less than 10 feet (3048 mm) above the surface of an abut

ting public way, sidewalk, street, alley, or driveway.

vent outlet, a vent opening of a plumbing drainage system,

air intakes shall be covered with a screen having not less than

 $\frac{1}{4}$ of an inch (6.4 mm) openings, and shall have not more than

EXCEPTIONS:

- 1. RETURN-AIR AND OUTSIDE-AIR DUCTS, PLENUMS, OR CONCEALED SPACES THAT SERVE A
- DWELLING UNIT.
- AIR FILTERS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 311.2. WATER EVAPORATION MEDIA IN AN EVAPORATIVE COOLER.
- 4. CHARCOAL FILTERS WHERE PROTECTED WITH AN APPROVED FIRE SUPPRESSION SYSTEM. 5. PRODUCTS LISTED AND LABELED FOR INSTALLATION WITHIN PLENUMS IN ACCORDANCE WITH SECTION 602.2.1 THROUGH SECTION 602.2.3.
- SMOKE DETECTORS. DUCT INSULATION. COVERINGS. AND LININGS AND OTHER SUPPLEMENTARY MATERIALS
- INSTALLED IN ACCORDANCE WITH SECTION 604.0. 8. MATERIALS IN A HAZARDOUS FABRICATION AREA INCLUDING THE AREAS ABOVE AND BELOW THE FABRICATION AREA SHARING A COMMON AIR RECIRCULATION PATH WITH THE FABRICATION AREA.

NOTES ON DUCTS MATERIAL & CONSTRUCTION:

FLEXIBLE AIR DUCTS

FLEXIBLE AIR DUCTS SHALL COMPLY WITH UL 181, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE

FLEXIBLE AIR DUCT INSTALLATIONS SHALL COMPLY WITH THE FOLLOWING: DUCTS SHALL BE INSTALLED USING THE MINIMUM REQUIRED LENGTH TO MAKE THE CONNECTION

- HORIZONTAL DUCT RUNS SHALL BE SUPPORTED AT NOT MORE THAN 4 FEET (1219 MM) INTERVALS VERTICAL RISERS SHALL BE SUPPORTED AT NOT MORE THAN 6 FEFT (1829 MM) INTERVALS
- SAG BETWEEN SUPPORT HANGERS SHALL NOT EXCEED 1/2 INCH (12.7 MM) PER FOOT (30.5 MM) OF SUPPORT SPACING
- SUPPORTS SHALL BE RIGID AND SHALL BE NOT LESS THAN 11/2 INCHES (38 MM) WIDE AT POINT OF CONTACT WITH THE DUCT SURFACE. DUCT BENDS SHALL BE NOT LESS THAN ONE DUCT DIAMETER BEND RADIUS.
- SCREWS SHALL NOT PENETRATE THE INNER LINER OF NON-METALLIC FLEXIBLE DUCTS UNLESS PERMITTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS
- FITTINGS FOR ATTACHING NON-METALLIC DUCTS SHALL BE BEADED AND HAVE A COLLAR LENGTH OF NOT LESS THAN 2 INCHES (51 MM) FOR EXCEPTION: A BEAD SHALL NOT BE REQUIRED WHERE METAL WORM-GEAR CLAMPS ARE USED OR WHERE ATTACHING METALLIC DUCTS USING SCREWS IN
- ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. DUCT INNER LINER SHALL BE INSTALLED AT NOT LESS THAN 1 INCH (25.4 MM) ON THE COLLAR AND PAST THE BEAD PRIOR TO THE APPLICATION OF THE TAPE AND MECHANICAL FASTENER. WHERE MASTIC IS USED INSTEAD OF TAPE, THE MASTIC SHALL BE APPLIED IN ACCORDANCE THE MASTIC
- MANUFACTURER'S INSTRUCTIONS 10. DUCT OUTER VAPOR BARRIERS SHALL BE SECURED USING TWO WRAPS OF APPROVED TAPE. A MECHANICAL FASTENER SHALL BE PERMITTED TO BE USED IN PLACE OF, OR IN COMBINATION WITH, THE TAPE.
- 11. FLEXIBLE AIR DUCTS SHALL NOT PENETRATE A FIRE-RESISTANCE-RATED ASSEMBLY OR CONSTRUCTION. 12. THE TEMPERATURE OF THE AIR TO BE CONVEYED IN A FLEXIBLE AIR DUCT SHALL NOT EXCEED 250°F (121 °C). 13. FLEXIBLE AIR DUCTS SHALL BE SEALED IN ACCORDANCE WITH SECTION 603.10.

GAS CLOTHES DRYER:

502.1 Exhaust Opening Protection. Exhaust openings terminating to the outdoors shall be covered with a corrosionresistant screen having not less than $\frac{1}{4}$ of an inch (6.4 mm) openings, and shall have not more than $\frac{1}{2}$ of an inch (12.7 mm) openings.

Exception: Clothes dryers.

504.4 Clothes Dryers. A clothes dryer exhaust duct shall not be connected to a vent connector, gas vent, chimney, and shall not terminate into a crawl space, attic, or other concealed space. Exhaust ducts shall not be assembled with screws or other fastening means that extend into the duct and that are capable of catching lint, and that reduce the efficiency of the exhaust system.

504.4.1 Provisions for Makeup Air. Make up air shall be provided in accordance with the following:

- (1) Makeup air shall be provided for Type 1 clothes dryers in accordance with the manufacturer's instructions. [NFPA 54: 10.4.3.1] Where a closet is designed for the installation of a clothes dryer, an opening of not less than 100 square inches (0.065 m²) for makeup air shall be provided in the door or by other approved means.
- (2) Provision for makeup air shall be provided for Type 2 clothes dryers, with a free area of not less than 1 square inch (0.0006 m²) for each 1000 British thermal units per hour (Btu/g) (0.293 kW) total input rating of the dryer(s) installed [NFPA 54:10.4.3.2].

504.4.2.1 Length Limitation

Unless otherwise permitted or required by the dryer manufacturer's instructions and approved by the Authority Having Jurisdiction, domestic dryer moisture exhaust ducts shall not exceed a total combined horizontal and vertical length of 14 feet (4267 mm), including two 90 degree (1.57 rad) elbows. A length of 2 feet (610 mm) shall be deducted for each 90 degree (1.57 rad) elbow in excess of two

504.4.3.1 Exhaust Ducts for Type 2 Clothes

Dryers. Exhaust ducts for Type 2 clothes dryers shall comply with the following:

- (1) Exhaust ducts for Type 2 clothes dryers shall comply with Section 504.4. [NFPA 54:10.4.5.1]
- (2) Exhaust ducts for Type 2 clothes dryers shall be constructed of sheet metal or other noncombustible material. Such ducts shall be equivalent in strength and corrosion resistance to ducts 0.0195 of an inch (0.4953 mm) thick. [NFPA 54:10.4.5.2]
- (3) Type 2 clothes dryers shall be equipped or installed with lint-controling means. [NFPA] 54:10.4.5.31
- (4) Exhaust ducts for Type 2 clothes dryers shall be installed with a clearance of not less than 6 inches (152 mm) from adjacent combustible material. Where exhaust ducts for Type 2 clothes dryers are installed with reduced clearances, the adjacent combustible material shall be protected in accordance with Table 303.10.1. [NFPA 54:10.4.5.4]
- (5) Where ducts pass through walls, floors, or partitions, the space around the duct shall be sealed with noncombustible material. [NFPA 54:10.4.5.4]

CLIENT:

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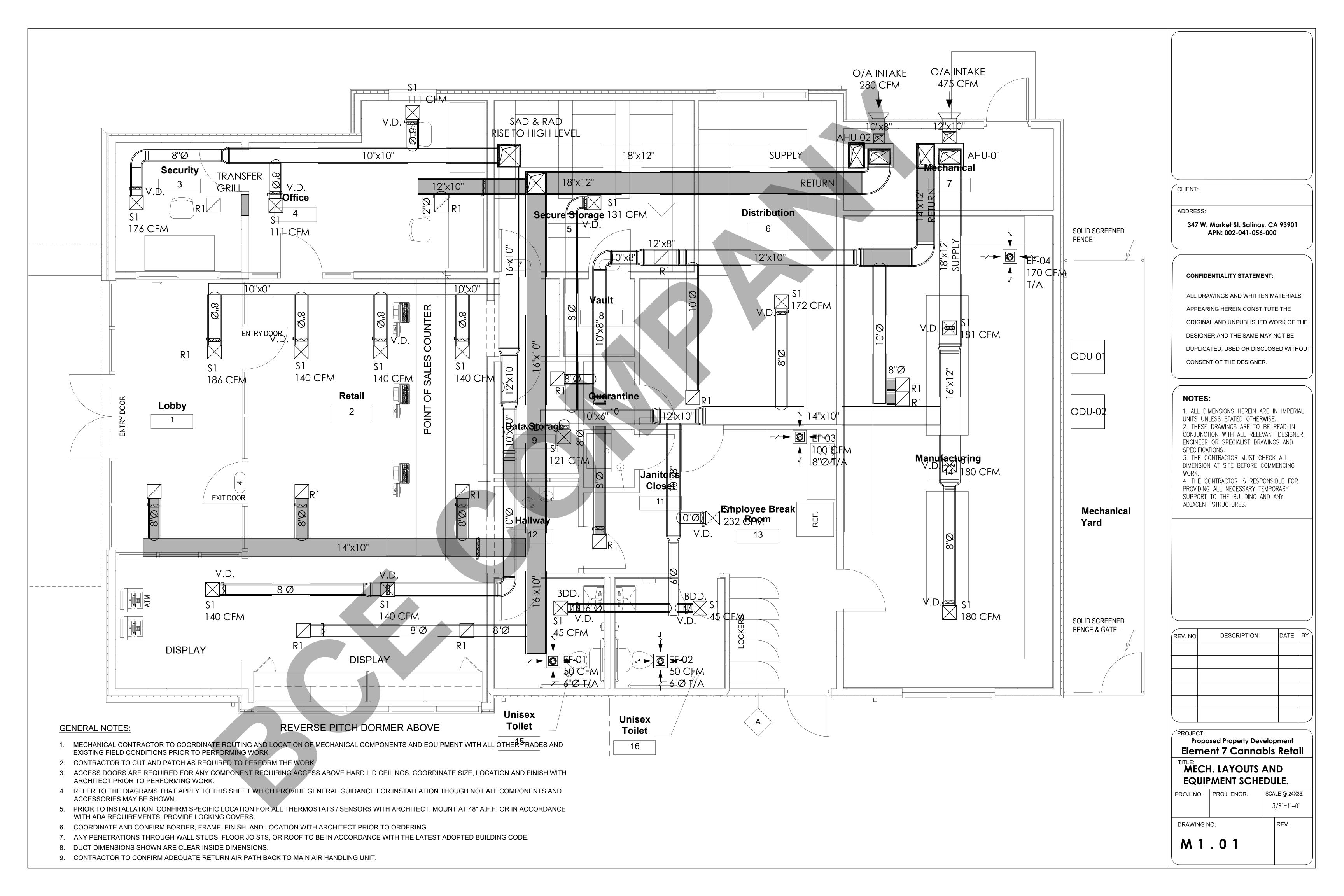
REV. NO.	DESCRIPTION	DATE	BY

Proposed Property Development Element 7 Cannabis Retail

MECHANICAL CODE CHECKING.

PROJ. NO. | PROJ. ENGR. SCALE @ 24X36: NTS DRAWING NO.

M0.01



SCHEDULE No. 1 HEAT PUMP INDOOR UNIT

AHU-01,02
MANU., DISTR., STO., B.R. RETAIL
GOODMAN
ARUF37C14
208-230/1/60
4
36,000
1,285

SCHEDULE No. 2 **HEAT PUMP OUTDOOR UNIT**

TAG	ODU-01,02
SERVING	AHU-01,02
MANUFACTURER	GOODMAN
INDOOR MODEL	GSZ140361K
POWER SUPPLY	208-230/1/60
MAXIMUM CURRENT (A)	20.2
MOP (A)	35.0
NOMINAL CAPACITY (BTU/HR)	36,000

SCHEDULE No. 4 AIR OUTLETS

TAG	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING
S1	SUPPLY DIFFUSER	TITUS	12in. x 12in.	Duct Mounted
R1	RETURN DIFFUSER	TITUS	12in. x 12in.	Duct Mounted

NOTES:

- 1. COORDINATE FINISH, COLOR, BORDER AND EXACT LOCATION WITH OWNER PRIOR TO ORDERING.
- 2. PROVIDE OPPOSED BLADE DAMPER ACCESSIBLE THROUGH DIFFUSER FACE FOR GYP BD. CEILING INSTALLATIONS.
- PROVIDE DUCT TRANSITIONS AS REQUIRED.
- 4. RETURNS R1 ARE PROVIDED WITH PROPER FILTERS.

SCHEDULE No. 3 FAN SCHEDULE

TAG	EF-01, 02, 03	EF-04
LOCATION	BATHROOMS & BREAK ROOM	MANUFACTURING
SELECTED FLOW (CFM)	50	170
SELECTED PRESSURE DROP (IN. H2O)	0.25"	0.1"
ELECTRICAL (V / PH / HZ)	120 / 1 / 60	120 / 1 / 60
POWER / Amps	25 W	42 W
MOTOR SPEED (RPS)	MULTI SPEED	MULTI SPEED
FAN TYPE	CEILING FANS	CEILING FANS
MANUFACTURER	PANASONIC	PANASONIC
MODEL	WHISPER FV-0511VKS2	WHISPER CEILING FV-20VQ3

NOTES:

- PROVIDE UL LISTING.
- PROVIDE ENERGY STAR COMPLIANCE.
- INTERLOCK WITH WALL SWITCH.
- PROVIDE MOTOR WITH THERMAL OVERLOADS.

AS PER CEC STANDARD: REQUIREMENTS FOR VENTILATION AND INDOOR AIR QUALITY **TABLE 120.1-A: MINIMUM VENTILATION RATES**

S.N.	SPACE NAME	AREA (FT2)	CFM/FT2	TOTAL CFM
AHU-01				
1	DISTRIBUTION	272	0.15	41
2	SECURE STORAGE	177	0.15	27
3	DATA STORAGE	48	0.15	7
4	QUARANTINE	17	0.15	3
5	JANITOR'S CLOSET	15	0.15	2
6	EMPLOYEE BREAK ROOM	230	0.5	115
7	TOILET E	61	-	50
8	TOILET W	61	-	50
9	HALLWAY	37	0.15	6
10	VAULT	26	0.15	4
11	MANUFACTURING	506	-	170
	TOTAL	1,450	-	475

AHU-02				
1	OFFICE	185	0.15	28
2	SECURITY	83	0.15	12
3	LOBBY	177	0.5	89
4	RETAIL	605	0.25	151
	TOTAL	1,050	-	280

AS PER 2022 CMC - TABE 402.3:

- MANUFACTURING AREA MINIMUM OUTDOOR ACH = 2
- MINIMUM O/A REQUIRED FOR MANUFACTURING AREA = 2 x 506 x 10 / 60 = 170 CFM

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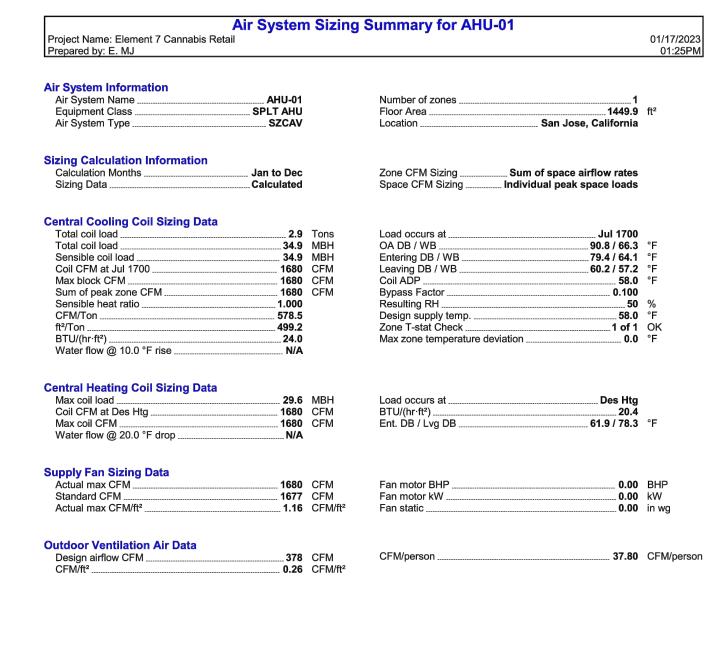
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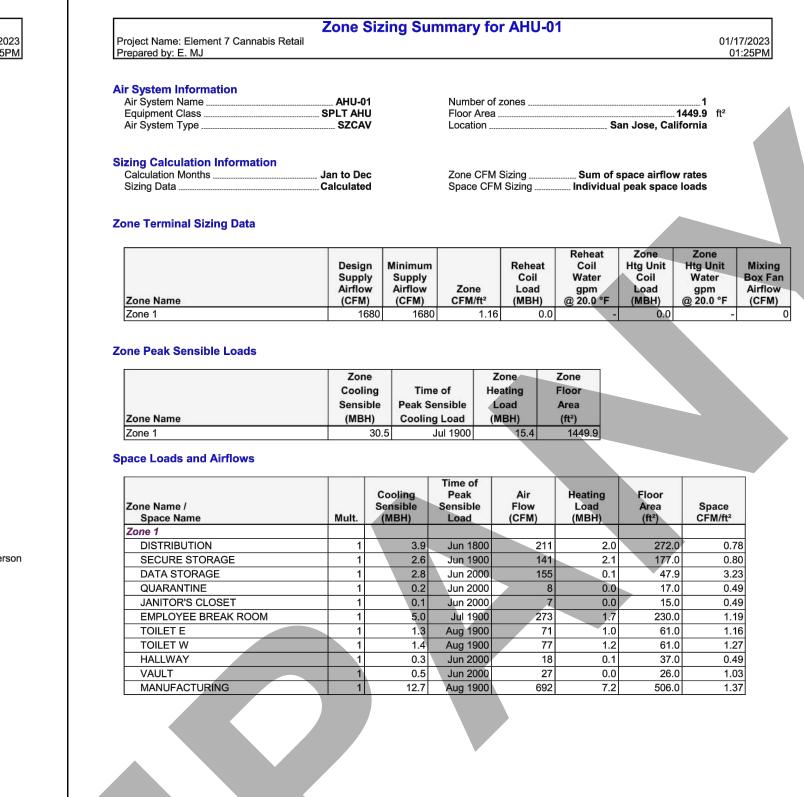
Proposed Property Development Element 7 Cannabis Retail

MECHANICAL **EQUIPMENT SCHEDULE.**

SCALE @ 24X36: DRAWING NO.

M 2 . 0 1





Page 1 of 22 Hourly Analysis Program 5.10 Air System Sizing Summary for AHU-02 Project Name: Element 7 Cannabis Retail Prepared by: E. MJ 01:26PM Air System Information
Air System Name AHU-02 ... SPLT AHU SZCAV Number of zones Floor Area Location Equipment Class ___1050.0 ft² San Jose, California Air System Type Sizing Calculation Information Zone CFM SizingSpace CFM Sizing Calculation Months Sizing Data Jan to DecCalculated Sum of space airflow rates Individual peak space loads Central Cooling Coil Sizing Data 2.3 Tons 27.2 MBH 27.2 MBH 1327 CFM Jul 1600 ... 92.3 / 66.8 °F Total coil load79.6 / 64.3 °F60.5 / 57.5 °F58.4 °F Sensible coil load ... Coil CFM at Jul 1600 ... Max block CFMSum of peak zone CFM 0.10050 %58.0 °F .. **1327** CFM ...1.000 .. 584.4 .. 462.525.9N/A Sensible heat ratio ... Resulting RH CFM/Ton Design supply temp. ... Zone T-stat Check1 of 1 OK BTU/(hr·ft²) ... Max zone temperature deviation ... Water flow @ 10.0 °F rise Central Heating Coil Sizing Data

Max coil load

Coil CFM at Des Htg

Max coil CFM

Water flow @ 20.0 °F drop 25.1 MBH 1327 CFM ____ Des Htg ____ 23.9 __62.2 / 79.7 °F Load occurs at BTU/(hr·ft²) Ent. DB / Lvg DB ... **Supply Fan Sizing Data** Fan motor BHP ... Fan motor kW **0.00** BHP **0.00** kW **0.00** in wg Actual max CFM Standard CFM Actual max CFM/ft² ___1327 CFM ___1324 CFM ___1.26 CFM/ft² Fan static ... Outdoor Ventilation Air Data ... 21.46 CFM/person CFM/person ... 279 CFM 0.27 CFM/ft² Design airflow CFM

Hourly Analysis Program 5.10

	Zone	Sizin	ıg Sur	nmary f	or AHU-0	2			
roject Name: Element 7 Cannabis Retail repared by: E. MJ									7/202: I:26PN
ir System Information									
Air System Name									
Equipment Class	SPLT AH	U							
Air System Type	SZCA	V		Location .		Sa	an Jose, Cali	tornia	
izing Calculation Information									
Calculation Months						Sum of s			
Sizing Data	Calculate	d		Space CF	FM Sizing	Individual	peak space	loads	
one Terminal Sizing Data									
	Desig	n M	inimum		Reheat	Reheat Coil	Zone Htg Unit	Zone Htg Unit	Mix
	Supp		Supply		Coil	Water	Coil	Water	Box
	Airflo	w A	Airflow	Zone	Load	gpm	Load	gpm	Airf
Zono Namo	/CEM	n l	(CEM)	CEM/ft2	(MDU)	@ 20 0 °E	(MDH)	@ 20 0 °E	/CE
Zone Name Zone 1	(CFM	327	(CFM) 1327	CFM/ft ²	(MBH) 26 0.0	@ 20.0 °F -	(MBH) 0.0	@ 20.0 °F -	(CF
	101111	327	10	1.2 e of Hensible	(@ 20.0 °F	(CF
Zone 1 Done Peak Sensible Loads	Zon Cooli Sensi	327	Time Peak Se Cooling	1.2 e of Hensible	Zone Heating Load	Zone Floor Area		@ 20.0 °F	(CI
Zone 1 Done Peak Sensible Loads Zone Name	Zon Cooli Sensi	ine ing ible H)	Time Peak Se Cooling	1.2 e of Hensible g Load Jul 1800	Zone Heating Load (MBH)	Zone Floor Area (ft²) 1050.0	0.0	@ 20.0 °F -	(CF
Zone 1 Zone Peak Sensible Loads Zone Name Zone 1 Dace Loads and Airflows	Zon Cooli Sensi	ine ing ible H) 24.1	Time Peak Se Cooling	1.2 e of Hensible g Load Jul 1800 Time of Peak	Zone Heating Load (MBH) 14.8	Zone Floor Area (ft²) 1050.0	0.0	-	(CF
Zone 1 Zone Peak Sensible Loads Zone Name Zone 1 Dace Loads and Airflows Zone Name /	Zon Cooli Sensi (MB	ine ing ible H) 24.1	Time Peak Se Cooling	a of Hensible J Load Jul 1800 Time of Peak Sensible	Zone Heating Load (MBH) 14.8	Zone Floor Area (ft²) 1050.0	Floor Area	Space	(CF
Zone 1 Zone Peak Sensible Loads Zone Name Zone 1 pace Loads and Airflows Zone Name / Space Name	Zon Cooli Sensi	ine ing ible H) 24.1	Time Peak Se Cooling	1.2 e of Hensible g Load Jul 1800 Time of Peak	Zone Heating Load (MBH) 14.8	Zone Floor Area (ft²) 1050.0	0.0	-	(CF
Zone 1 Zone Peak Sensible Loads Zone Name Zone 1 Dace Loads and Airflows Zone Name / Space Name Zone 1	Zon Cooli Sensi (MB	ine ing ible H) 24.1	Time Peak Se Cooling Sible 3H)	1.2 s of Hensible Joad Jul 1800 Time of Peak Sensible Load	Zone Heating Load (MBH) 14.8 Air Flow (CFM)	Zone Floor Area (ft²) 1050.0 Heating Load (MBH)	Floor Area (ft²)	Space CFM/ft²	
Zone 1 Zone Peak Sensible Loads Zone Name Zone 1 Dace Loads and Airflows Zone Name / Space Name Zone 1 OFFICE	Zon Cooli Sensi (MB	ine ing ible H) 24.1	Time Peak Se Cooling sible 3H)	a of Hensible J Load Jul 1800 Time of Peak Sensible Load Jun 1800	Zone Heating Load (MBH) 14.8 Air Flow (CFM)	Zone Floor Area (ft²) 1050.0 Heating Load (MBH)	Floor Area (ft²)	Space CFM/ft²	4
Zone 1 Zone Peak Sensible Loads Zone Name Zone 1 Dace Loads and Airflows Zone Name / Space Name Zone 1 OFFICE SECURITY	Zon Cooli Sensi (MB	ine ing ible H) 24.1	Time Peak Se Cooling sible BH)	1.2 of Hensible J Load Jul 1800 Jun 1800 Jun 2000	Zone Heating Load (MBH) 14.8 Air Flow (CFM)	Zone Floor Area (ft²) 1050.0 Heating Load (MBH)	Floor Area (ft²)	Space CFM/ft²	4499
Zone 1 Zone Peak Sensible Loads Zone Name Zone 1 Dace Loads and Airflows Zone Name / Space Name Zone 1 OFFICE	Zon Cooli Sensi (MB	ine ing ible H) 24.1	Time Peak Se Cooling sible 3H)	a of Hensible J Load Jul 1800 Time of Peak Sensible Load Jun 1800	Zone Heating Load (MBH) 14.8 Air Flow (CFM) 229 182 192	Zone Floor Area (ft²) 1050.0 Heating Load (MBH) 2.5 2.6 3.5	Floor Area (ft²)	Space CFM/ft²	9 8

Hourly Analysis Program 5.10

Hourly Analysis Program 5.10

CLIENT:

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_			_
REV. NO.	DESCRIPTION	DATE	BY

PROJECT:

Proposed Property Development
Element 7 Cannabis Retail

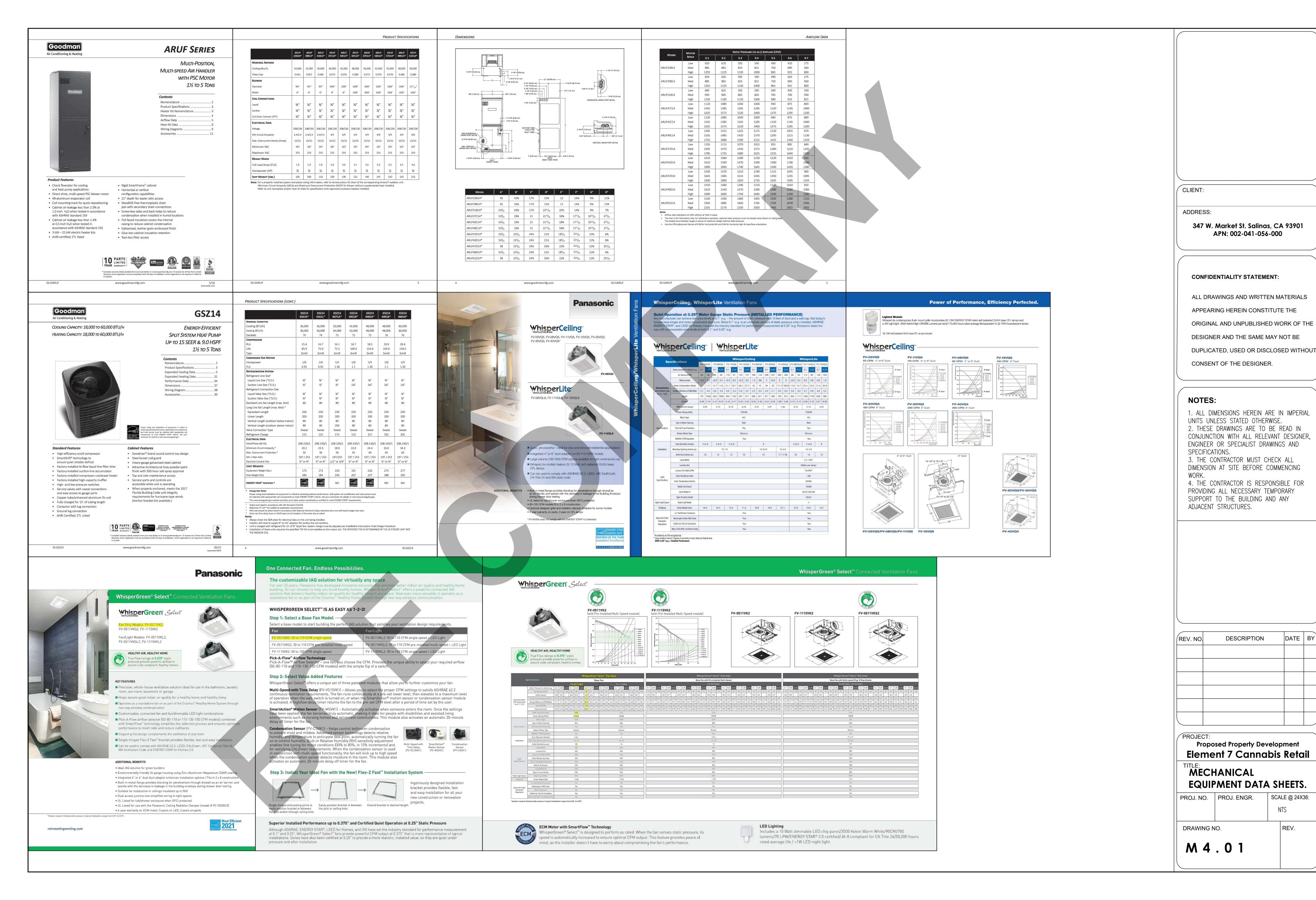
MECHANICAL HEAT LOADS CALCULATIONS.

PROJ. NO. PROJ. ENGR. SCALE @ 24X36:

NTS

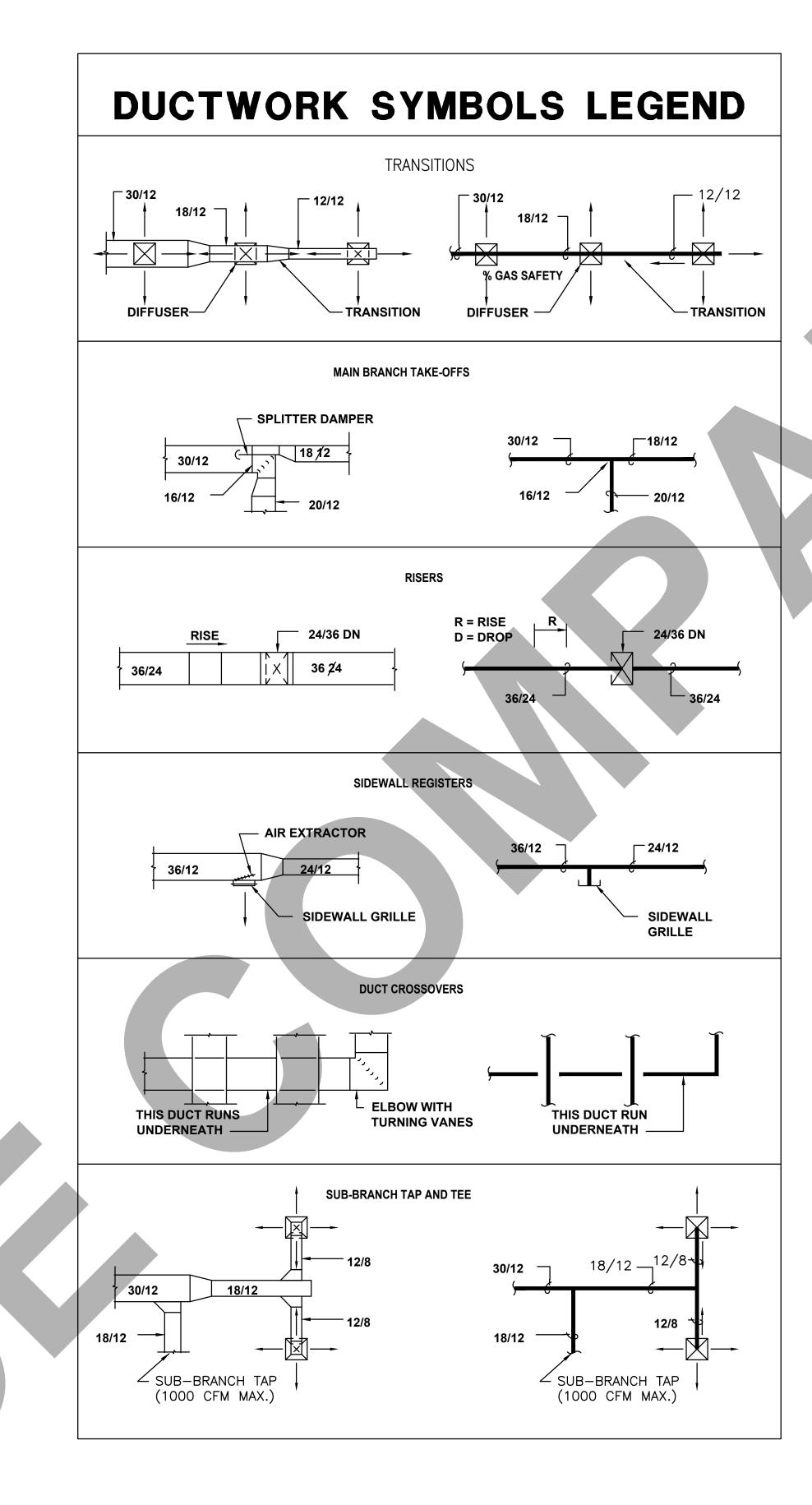
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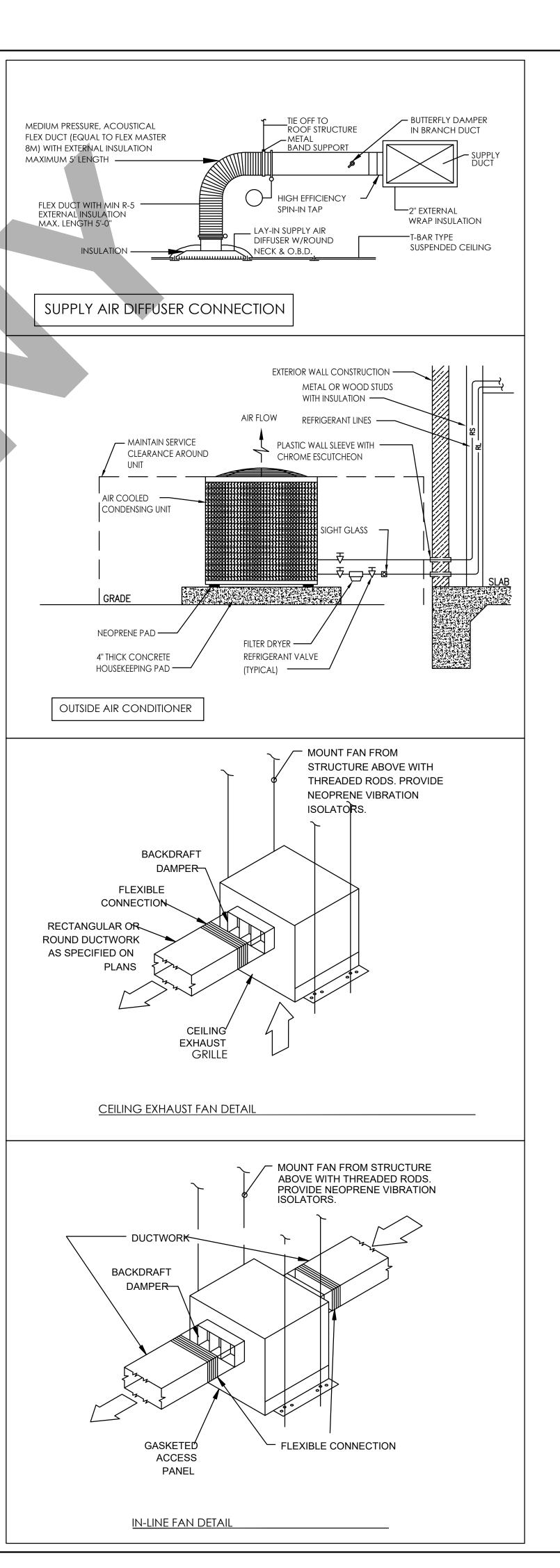
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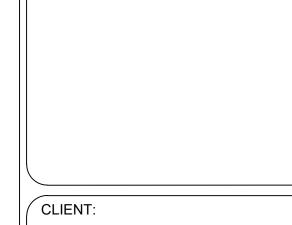


GENERAL NOTES

- 1. MECHANICAL CONTRACTOR SHALL EXAMINE ALL OTHER SPECIFICATIONS, DRAWINGS AND ALL FEATURES OF BUILDING CONSTRUCTION WHICH MAY AFFECT HIS WORK AND SHALL B GOVERNED BY THESE AND OTHER SPECIFICATIONS, INCLUDIN THE GENERAL CONDITIONS AND PARTICULAR INSTRUCTIONS T ALL BIDDER AND SUPPLIERS
- 2. ALL WORK SHALL BE EXECUTED AND INSPECTED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND/OR STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THIS PARTICULAR CLASS OF WORK, AND EACH CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, TAXES, AND OTHER SIMILAR COSTS IN CONNECTION THEREWITH
- 3. PRIOR TO FABRICATION OF DUCTWORK, THE MECHANICAL CONTRACTOR SHALL EXAMINE AND VERIFY ALL CONDITIONS ABOVE AND BELOW THE CEILING WHICH MAY INTERFERE WITH THE DUCT SYSTEM AND NOTIFY THE ARCHITECT OF ANY CONFLICT ENCOUNTERED CONTRACTOR. SHALL PROVIDE ALL OFFSETS, ETC WHICH MAY BE REQUIRED, WITHOUT ADDITIONAL COST TO THE OWNER
- 4. ALL SHEET METAL DUCT CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH "SMACNA" LOW PRESSURE DUCT CONSTRUCTION STANDARD
- 5. TURNING VANES SHALL BE INSTALLED IN ALL BENDS IN RECTANGULAR DUCT EXCEEDING 30"
- 6. ALL DUCTS SHALL BE SUPPORTED WITH 1"WIDE, 16 GAUGE, GALVANIZED STEEL BANDS.
- 7. ALL RECTANGULAR DUCT SHALL BE INSULATED WITH A MIN OF 1"INTERNAL LINER, 2 LBS DENSITY R-60 ALL ROUND DUCTS AND DIFFUSER TOPS SHALL HAVE A MIN 2" THICK OF FOIL BACKED BLANKET TYPE INSULATION R=4-4 2, WITH ALL JOINTS BUTTED AND TAPED
- 8. ALL DUCT DIMENSIONS SHOWN ON PLANS ARE INTERNAL
- 9. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF SUPPLY AND RETURN AIR REGISTERS, DUCTS, GRILLES AND DIFFUSERS WITH LIGHTING AND CEILING PATTERNS
- 10. PROVIDE LATERAL BRACING OF ALL DUCTS AND PIPES AS REQUIRED BY CODE.
- 11. INSULATE AND SEAL ALL DUCTWORK PER CHAPTER 10 OF THE STATE MECHANICAL CODE (T-24, PART 4)
- 12. MOUNT ALL THERMOSTATS AT 48" ABOVE FINISHED FLOOR
- 13. ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES
- 14. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE MECHANICAL ENGINEER
- 15. DUCT SMOKE DETECTOR SHALL BE INSTALLED BELOW THE ROOF
- 16. ALL MECHANICAL EQUIPMENT AND SYSTEMS INSTALLED AS PART OF PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE AND THE 2022 CALIFORNIA BUILDING CODE AND THE 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS
- 17. OUTSIDE AIR FOR A HEATING OR COOLING SYSTEM SHALL NOT BE TAKEN FROM CLOSER THAN 10 FEET FROM AN APPLIANCE VENT OUTLET, VENT OPENING OF A PLUMBING SYSTEM, OR THE DISCHARGE OUTLET OF EXHAUST FAN, UNLESS THE OUTLET IS 3 FT ABOVE THE OUTSIDE AIR INLET (CMC 314 3)
- 18. PROVIDE 120 VOLT ELECTRICAL OUTLETS WITHIN 25 FT OF ALL MECH, EQUIPT. (CMC 309)
- 19. HEATING, VENTILATING, ANDAIR CONDITIONING SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH CMC 317 1 REQUIREMENTS
 - A. AABC NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE
 - B. ACCA MANUAL B
 - C. ASHRAE 111
 - D. NEBB PROCEDURAL STANDARDS FOR TESTING, ADJUSTING ADJUSTING BALANCING OF ENVIRONMENTAL SYSTEMS
 - E. SMACNA HVAC TESTING, ADJUSTING, AND BALANCING
- 20. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NON COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE DEVELOPED INDEX NOT TO EXCEED 50 WHERE TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E84 OR UL 723







ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

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APPEARING HEREIN CONSTITUTE THE
ORIGINAL AND UNPUBLISHED WORK OF THE

DESIGNER AND THE SAME MAY NOT BE

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4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

REV. NO.	DESCRIPTION	DATE	BY
PROJEC			$\overline{}$

PROJECT:

Proposed Property Development
Element 7 Cannabis Retail

MECHANICAL GENERAL DETAILS.

PROJ. NO. PROJ. ENGR. SCALE @ 24X36:

NTS

DRAWING NO. REV.

M 5 . 0 1

GENERAL NOTES

- A. ALL EXISTING COMPONENTS OF THIS ELECTRICAL DIAGRAM ARE TO REMAIN AS INSTALLED AND ARE SHOWN FOR REFERENCE
- B. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL FIRE PROTECTION
- C. ASSOCIATION (NFPA) 70, NATIONAL ELECTRICAL CODE. ALL ITEMS ARE ON AN OR EQUAL BASIS
- D. ALL SINGLE PHASE BRANCH CIRCUITS (RECEPTACLES, LIGHTING, ETC.; ARE 1/2" CONDUIT OR EMT WITH THIN, 90C WIRING, UNLESS NOTED OTHERWISE. ALL OTHER CONDUIT AND WIRING SHALL BE AS INDICATED ON THE PLANS. ACTUAL ROUTING AND HOME RUN GROUPINGS ARE TO BE DETERMINED IN THE FIELD.
- E. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC EXCEPT FOR DETAILS AND ELEVATIONS. DO NOT SCALE FROM DIAGRAMMATIC DRAWINGS. EXACT LOCATIONS OF DEVICES AND PANELS ARE TO BE DETERMINED AND ROUGHED-IN DURING CONSTRUCTION TO AVOID INTERFERENCE. TO MEET USER REQUIREMENTS. TO PROVIDE ADEQUATE MOUNTING, AND TO MEET NEC LINEAR ACCESS AND CLEARANCE REQUIREMENTS.
- F. BACK TO BACK MOUNTING OF RECEPTACLES IS NOT PERMITTED. G. IN ADDITION TO THE NEC REQUIREMENTS FOR GFCI PROTECTION FOR RECEPTACLES, THE FOLLOWING RECEPTACLES SHALL ALSO HAVE GFCI PROTECTION: (1)-ALL RECEPTACLES LOCATED WITHIN 8 FEET OF A SINK, (2)-ALL RECEPTACLES WHICH ARE PROVIDED FOR CONVENIENCE IN SERVICING HVAC EQUIPMENT REGARDLESS OF LOCATION.AS REQUIRED TO ACCOMMODATE CONDUCTOR PULLING EASE, FIELD LIFE SAFETY.
- H. PROVIDE A LAMICOID NAMEPLATE (WHITE LETTERS ON BLACK BACKGROUND; ON EACH PANELBOARD, MOTOR STARTER, CONTACTOR, TRANSFORMER, ETC. LETTERS SHALL BE 0.75 INCH MAINIMUM.
- CONTRACTOR SHALL CUT AS REQUIRED TO INSTALL ELECTRICAL EQUIPMENT REPAIR OF FLOOR OR WALLS SHALL BE COORDINATED WITH GENERAL CONTRACTOR CONTRACTOR SHALL ALSO REPAIR ALL OPENINGS LEFT DUE TO EQUIPMENT **REMOVAL**
- CONDUCTORS ARE COPPER UNLESS OTHERWISE SHOWN. ALL CONDUCTORS LARGER THAN #10 SHALL BE STRANDED.
- K. PANELBOARDS SHALL CONTAIN A TYPEWRITTEN DIRECTORY WITH A PLASTIC COVER AFFIXED TO THE INSIDE DOOR.
- L. ALL FIXTURES, DEVICES, CONDUIT, AND EQUIPMENT SHALL BE SECURED WITH APPROVED HANGERS AND ANCHORS AND IN ACCORDANCE WITH APPROVED STANDARDS OF INSTALLATION.
- M. ALL BREAKERS SHOWN IN THE PANELBOARD SCHEDULE SHALL BE RATED AS SHOWN FOR BOTH CIRCUIT CAPACITY AND FAULT CURRENT INTERRUPTING CAPACITY.
- N. ALL PANELBOARDS, DISCONNECT SWITCHES, MOTOR STARTERS, AND CONTACTORS SHALL BE NEMA 1, UNLESS OTHERWISE
- O. ELECTRICAL CONTRACTOR MUST BE AVAILABLE AT TIME OF DBS INSPECTION. COORDINATE WITH GENERAL CONTRACTON.
- P. FIELD VERIFY THE AVAILABLE FAULT CURRENT AT THE LANDLORD'S EXISTING PANEL AND PROVIDE A NEW, FULLY RATED. PANEL TO MATCH EXISTING.
- Q. CONTRACTOR TO MAKE FINAL CONNECTIONS IN EMS PANEL FOR LANDLORD PROVIDED LIGHTING CIRCUITS. 50% OF THE GENERAL LIGHTING CIRCUITS SHOULD BE ROUTED THROUGH THE CUSTOMER CONTROL ZONE

GENERAL ELECTRICAL NOTES

DESCRIPTION

- GENERAL CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2019 NEC, AS AMENDED BY 2019 ELECTRICAL CODE, 2019 ENERGY CODE AND ANY ADDITIONAL STATE OR LOCAL CODES WHICH MAY APPLY.
 GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, CERTIFICATES, ETC. REQUIRED.
- GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR BOTH ROUGH AND FINAL UNDER-WRITERS OR OTHER APPROVED INSPECTION AGENCY CERTIFICATES "ELECTRICAL INSPECTION". THESE CERTIFICATES SHALL BE PRESENTED WITH REQUEST FOR FINAL PAYMENT
- IT IS THE INTENT OF THESE PLANS TO PROVIDE A COMPLETE OPERATING ELECTRICAL SYSTEM. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING, EQUIPMENT, MATERIAL. ETC. REQUIRED, EXCEPT WHERE SPECIFICALLY NOTED AS BEING FURNISHED BY OTHERS. SHOULD THERE BE ANY QUESTIONS CONCERNING RESPONSIBILITY, THEY SHALL BE ADDRESSED TO ARCHITECT PRIOR TO BID. NO EXTRA CHARGES WILL BE ALLOWED.
- ELECTRICAL SERVICE SHALL BE COORDINATED WITH THE EXISTING FIELD CONDITIONS.
- CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL CONTROLS, OWNER-SUPPLIED EQUIPMENT, MECHANICAL AND PLUMBING EQUIPMENT AS REQUIRED
- REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION DETAILS. ALL FIXTURE AND DEVICE LOCATIONS SHOWN ON ARCHITECTURAL DRAWINGS SUPERSEDE THOSE SHOWN ON ELECTRICAL PLANS. CIRCUIT NUMBER ON THE DRAWINGS ARE FOR IDENTIFICATION ONLY AN
- DO NOT INDICATE THE POSITION ON THE PANEL BOARD. CONNECT THE CIRCUITS WITH THE LIGHTEST LOADS AND THE RECEPTACLE CIRCUITS NEAR THE TOP OF THE PANEL, AND THE MORE HEAVILY LOADED CIRCUITS NEAR THE BOTTOM. BALANCE ALL CIRCUITS EVENLY BETWEEN PHASE SO THAT FEEDER WIRES CARRY APPROXIMATELY EQUAL CURRENT. ALL PHASES MUST BE BALANCED WITHIN 10% OR LESS. G.C. SHALL
- REBALANCE IF NECESSARY. BRANCH CIRCUIT CONDUCTOR INSULATION SHALL BE COLOR CODED AND SHALL BE 600 VOLT. TYPE THHN/THWN.
- CABLES IN HIGH TEMPERATURE AREAS SHALL HAVE INSULATION TYPE SUITABLE FOR THE TEMPERATURE. CABLES USED IN SPACES FOR ENVIRONMENTAL AIR SHALL CONFORM WITH APPLICABLE N.E.C
- ALL WIRING USED IN RETURN OR DISCHARGE AIR PLENUMS SHALL BE PLENUM RATED OR INSTALLED PER METHODS APPROVED BY THE LATEST EDITION OF THE N.E.C. FOR SUCH APPLICATION
- ALL WIRE AND CABLE CONDUCTORS SHALL BE COPPER WITH INSULATION RATED 600V. CONDUCTORS SIZED #10 AWG AND SMALLER SHALL BE
- SOLID OD STRANDED, AND CONDUCTORS SIZED LARGER THAN #10 AWG BRANCH CIRCUITS FOR POWER AND LIGHTING SHALL NOT BE LESS THAN #12 AWG. OR AS NOTED. WIRES ARE TO BE SIZED FOR THE
- ÄPPROPRIATE VOLTAGE DROPS. SEE WIRE SIZE SCHEDULE ON ALL DATA CABLES SHALL BE CAT6, PLENUM RATED. TO BE PROVIDED OWNER SELECTED VENDOR. ELECTRICAL WORK SHALL BE TO PROVIDE
- OUTLET BOXES AND "RING AND STRING" FOR PULLING OF CABLES IN CONTROL WIRING SHALL NOT BE LESS THAN #14 AWG UNLESS OTHERWISE
- HOMERUNS SHOWN ARE SCHEMATIC. CONTRACTOR MAY ORIGINAT HOMERUNS FROM DIFFERENT LOCATIONS. ALL WIRE INCLUDING HOMERI SHALL BE DELINEATED ON AS-BUILT DRAWINGS.
- ALL WIRING INSTALLED UNDER THIS CONTRACT SHALL BE TESTED FOR 18 PROPER CONNECTIONS AND SHORT CIRCUITS PRIOR TO THE TURNING OVER OF WORK AS A COMPLETE UI
- PROVIDE ALL ELECTRICAL SYSTEM GROUNDING IN ACCORDANCE WITH N.E.C. REQUIREMENTS EVEN IF IT IS NOT SHOWN ON THE DRAWINGS. INCLUDE ADDITIONAL GROUNDING CONDUCTORS IN ALL RACEWAYS EVEN 19 THOUGH THE DRAWINGS SHOW ONLY CIRCUIT AND/OR NEUTRALS CONDUCTORS. THE PLUMBING AND PIPING SYSTEM SHALL NOT BE USED AS A GROUND, ALL TRANSFORMER NEUTRALS SHALL BE GROUNDED TO NG STEEL IN ACCORDANCE WITH NEC 250-
 - L CONDUITS PASSING THROUGH PARTITIONS ARE TO BE APPROPRIATELY SLEEVED AND SEALED.
- H AND INSTALL ALL CONDUIT WITH PULL WIRES AS REQUIRED. OUTLET BOXES SHALL BE STEEL, EXTRA DEEP WITH GROUNDING PIGTAILS. IDING PUSH-CLIPS ARE NOT ACCEPTABLE. ALL PENETRATIONS SHALL BE INSTALLED AND SEALED PER NATIONAL STATE AND LOCAL CODES
- NOT MAKE ANY CHANGES OR SUBSTITUTIONS WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ARCHITECT OR ENGINEER. GUARANTEE ALL WORK, MATERIAL AND EQUIPMENT FOR A PERIOD OF
- ONE YEAR FROM THE DATE OF APPROVAL AND FINAL ACCEPTANCE. THIS DESIGN IS BASED ON INITIAL DESIGN DATA. GENERAL CONTRACTOR
- SUPPLY AND INSTALL FEEDERS, FUSES AND CIRCUIT BREAKERS TO MATCH THE NAMEPLATE RATING OF ALL EQUIPMENT. HIS SHALL BE INCLUDED IN THE INITIAL BID PROPOSAL AND NO EXTRAS ENTERTAINED.

GENERAL ELECTRICAL NOTES

DESCRIPTION

- LABEL ALL JUNCTION BOXES, OUTLETS, LIGHT SWITCH, ETC. WITH CIRCU NUMBER ON INTERIOR ON COVER PLATE. USE SELF-ADHESIVE "DYMO" LABEL 1/8"HIGH LETTERS.
- GENERAL CONTRACTOR SHALL PROVIDE SEISMIC RESTRAINTS AND SUPPORTS FOR ALL FLOOR, WALL, AND CEILING MOUNTED ELECTRICAL EQUIPMENT TO RESIST EARTHQUAKE EFFECTS DETERMINED IN
- E G.C. SHALL PROVIDE ALL EQUIPMENT. MATERIALS AND LABOR COMPLETE ALL ELECTRICAL WORK IN A NEAT AND WORKMANLIKE MANN AND IN ACCORDANCE WITH GOOD COMMERCIAL PRACTICE INCLUDING T INSTALLATION OF ALL THE EQUIPMENT MATERIALS AND SYSTEMS AND 1 FINAL CONNECTIONS TO THE OWNER'S EQUIPMENT AND FIXTURES AS 28 | REQUIRED BY THE OWNER. THE G.C. SHALL ALSO FURNISH TEMPORARY WIRING AND LIGHTING TO PROVIDE A MINIMUM OF 25 FC IN WORK AREA FOR USE OF ALL THE TRADES DURING CONSTRUCTION AND THE INSTALLATION OF THE OWNERS FIXTURES. THE G.C. IS RESPONSIBLE T
- THIS CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL SUPPLEMENTARY SUPPORT, INCLUDING SUPPORT STEEL AS REQUIRED 29 HANG ALL EQUIPMENT AND LIGHTING FROM THE EXISTING STRUCTURE ACCORDANCE WITH THE ARCHITECTURAL/STRUCTURAL SUPPORT AND

REMOVE ALL TEMPORARY WIRING UPON COMPLETION OF CONSTRUCTION

IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE FULL DIMENSIONED COORDINATION DRAWINGS FOR ALL OF HIS RESPECTIVE WORK. THESE DRAWINGS MUST BE FULLY COORDINATED WITH ALL EXISTING CONDITIONS. ALL HVAC, PLUMBING, FIRE PROTECTION ELECTRICAL, LIGHTING, STRUCTURAL AND ARCHITECTURAL SYSTEMS PRIO

LOADING CRITERIA.

- TO PREPARING COMPOSITE MULTI DISCIPLINE COORDINATION DRAWINGS ALL DISCONNECTING MEANS AND EQUIPMENT INDICATED ON THE DRAWIN SHALL BE IDENTIFIED BY NAMEPLATE IN COMPLIANCE WITH THE NATIONA ELECTRICAL CODE 110-22.
- ALL WIRING FOR THE EMERGENCY LIGHTING AND EMERGENCY SYSTEMS 32 | SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE ARTICLE 700. HE WIRING METHODS AND MATERIALS INDICATED IN THE SPECIFICATIONS AND ON THE DRAWINGS SHALL BE INSTALLED AND CONNECTED IN
- ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE ARTICLE 300. ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM AS INDICATED ON THE RISER DIAGRAM AND MATERIALS INDICATED IN THE SPECIFICATIONS
- BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE ARTICLE 230, SERVICES. L OVER CURRENT PROTECTION SHALL BE IN COMPLIANCE WITH THE
- NATIONAL ELECTRIC CODE SECTION 240, OVERCURRENT PROTECTION. ROUNDING REQUIREMENTS OF THE COMPLETE ELECTRICAL TRIBUTION SYSTEM AND AS INDICATED IN THE SPECIFICATIONS SHALL
- N ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ARTICLE 250, AND/OR CUTTING OF ROOF.
- CONTRACTOR SHALL COORDINATE WITH BUILDING ENGINEER. FOR ALL LIGHTING FIXTURES MOUNTED IN HUNG CEILING THE GENERAL ONTRACTOR SHALL PROVIDE AND INSTALL INDIVIDUAL SUPPORT AT EA RNER OF RECESSED LIGHTING TROFFER CONNECTED TO BUILDING ST ABOVE ALL CONDUIT AND MC CABLE MOUNTED ABOVE HUNG CEILING

SHALL BE INDIVIDUALLY SUPPORTED IN THE SAME FASHION AS PER NEC

- DO NOT SCALE FROM THESE DRAWINGS
- PLANS ARE PREPARED WITH REQUIRED BRANCH CIRCUITS INDICATED BY CIRCUITS NUMBERS. PROVIDE AND INSTALL ALL CONDUITS. CONDUCTORS, BOXES, MISCELLANEOUS FITTINGS, ETC. FOR A COMPLETE AND OPERABLE SYSTEM (HOME RUN SHOWN). BRANCH CIRCUIT INSTALLATION SHALL COMPLY WITH SPECIFICATIONS AND N.E.C.

ELECTRICAL RECEPTACLE, SWITCH AND CONTROL HEIGHTS

(CBC-1136A.1:). RECEPTACLE HEIGHTS

BENEATH A CONTROL.

ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES (1219MM) MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES (381MM) MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF FINISHED FLOO OR WORKING FLATFORM. IF THE REACH IS OVEN AN OBSTRUCTION (FOR EXAMPLE, A KITCHEN BASE CABINET) BETWEEN 20 AND 25 INCHES (508 AND 635MM) IN DEPTH, THE MAXIMUM HEIGHT MEASURED AT THE BOX IS REDUCED TO 44 INCHES (1118MM) FOR FORWARD APPROACH, OR 46 INCHES (1168MM) FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24 INCHES (610MM) IN DEPTH. OBSTRUCTION SHALL NOT EXCEED MORE THAN 25 INCHES (635MM) FROM THE WALL BENEATH THE RECEPTACLE.

SWITCH AND CONTROL HEIGHTS: (CBC 1136A.2:)
CONTROL OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, ALARMS OR COOLING, HEATING AND VENTILATING EQUIPMEN SHALL BE LOCATED NO MORE THAN 48 INCHES (1219MM) MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES (381MM MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM. IF THE REACH IS OVER A PHYSICAL BARRIER OR AN OBSTRUCTION (FOR EXAMPLE, A KITCHEN BASE CABINET) BETWEEN 20 AND 25 INCHES (508 AND 635MM) IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44 INCHES (1118MM) FOR FORWARD APPROACH, OR 46 INCHES (1168MM) FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24

INCHES (610MM) IN DEPTH. PHYSICAL BARRIERS OR OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25 INCHES (635MM) FROM THE WALL

ELECTRICAL LEGEND

- A-LITHONIA LIGHTING BLT4 40L ADP LP835
 BEST-IN-VALUE LOW-PROFILE RECESSED LED TROFFER, 3500K - 33 WATTS
- MOTION DETECTOR
- S_M LIGHT SWITCH WITH OCCUPANCY SENSOR
- ELF CONTAINED SMOKE/CARBON MONOXIDE (120
- NEW DOUBLE OUTLET
- NEW FLOOR OUTLET
- WALL MOUNTED EXIT SIGN WITH 90 MINUTES BACK UP BATTERY
- WALL MOUNTED JUNCTION BOX WITH FLEX CABLE
- (\mathbf{J}) FLOOR MOUNTED JUNCTION BOX



- LIGHT SWITCH WITH TIMER
- W/BATTERY BACKUP) CEILING MOUNTED
- NEW 4PLEX OUTLET
- NON-FUSED DISCONNECT SWITCH SIZE AS INDICATED
- SURFACE MOUNTED PANEL BOARD CEILING JUNCTION BOX FOR EXHAUST FAN
- CLAMPS FOR XRAY MACHINE



	WIRE	E SCHEDU	JLE AND	NOTES	
LOAD PER H (KVA)	WIRE SIZE (AWG)		NGTH OF BRANCH TILIZATION VOLTAC (240, 1PH, MAX V.D. 3%)	GE	NOTES AND REMARKS
	#12	56 FT	85 FT	98 FT	5
< 1.00	#10	94 FT	141 FT	163 FT	5
< 1.92	#8	144 FT	217 FT	250 FT	5
	#6	230 FT	345 FT	398 FT	5
	#12	75 FT	113 FT	130 FT	5
- 1 11	#10	125 FT	188 FT	217 FT	5
< 1.44	#8	192 FT	289 FT	334 FT	5
	#6	306 FT	460 FT	531 FT	5
	#12	86 FT	129 FT	149 FT	
< 1.26	#10	143 FT	215 FT	248 FT	
	#8	220 FT	330 FT	381 FT	
	#12	100 FT	150 FT	173 FT	
< 1.08	#10	167 FT	250 FT	289 FT	
	#8	256 FT	385 FT	445 FT	
< 0.9	#12	120 FT	180 FT	240 FT	
< 0.9	#10	200 FT	300 FT	347 FT	
<0.72	#12	150 FT	225 FT	260 FT	
<u> </u>	#10	250 FT	376 FT	434 FT	
#			NOTES		

CONTRACTOR SHALL REFER TO THIS TABLE PRIOR TO START OF BRANCH CIRCUIT ROUGH-IN.

- CONTRACTOR SHALL USE THE APPROPRIATE WIRE SIZE IN CONJUNCTION WITH THE LENGTH OF THE PROPOSED FIELD VERIFIED ROUTING OF BRANCH CIRCUIT WIRING (INCLUDING VERTICAL & LATERAL RUN, ROUTED PARALLEL/PERPENDICULAR TO THE BUILDING STRUCTURE).
- SEE PANEL SCHEDULE FOR THE CORRESPONDING KVA LOAD PER PHASE OF A PARTICULAR BRANCH CIRCUIT. RESISTANCE VALUES USED ARE FOR UNCOATED COPPER WIRES IN

ADDITIONIAL DESCRIPTION

STEEL CONDUIT. 75 DEGREE C., OPERATING AT 60HZ. THE VALUES IN "120V, 1PH" COLUMN IS TO BE USED FOR GENERAL PURPOSE RECEPTACIÉ LOADS

ABBREVIATIONS AND TAGS DESCRIPTION ABB. DESCRIPTION ELECTRIC WATER HEATER SD SMOKE DETECTOR EWH EXISTING TO REMAIN TELEPHONE ELECTRICAL CONTRACTOR ΤX TRANSFORMER TELEVISION FIRE ALARM TV FLEXIBLE METALLIC TUBING UAC UNDER ANOTHER CONTRACT GENERAL CONTRACTOR UNDER ANOTHER SECTION UAS GROUND FAULT INTERUPTER UON UNLESS OTHERWISE NOTED ISOLATED GROUND VOLTAGE DROP V.D. LANDLORD W WIRE WP WEATHERPROOF LOW VOLTAGE MECHANICAL UNIT TAG. SEE DETAIL TAG. REFER TO DETAIL $\frac{E-4}{4}$ MECHANICAL DRAWINGS FOR 1

ON SHFFT NUMBER E-4.

CLIENT:

ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

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DATE BY DESCRIPTION REV. NO.

Proposed Property Development Element 7 Cannabis Retail

ELECTRICAL LIST OF SYMBOLS AND GENERAL NOTES

SCALE @ 24X36: PROJ. NO. PROJ. ENGR. NTS DRAWING NO.

E 0.0

ELECTRICAL

			ELECTRICAL
PART 1	GENERAL	PART 2	PRODUCTS
1.01	SCOPE OF WORK: Furnish and Install all materials and equipment and provide all labor, tools, transportation, superintendence and services required and necessary to complete the work shown on the drawings and/or specified herein. Also include all other work and miscellaneous items, not specifically mentioned, but reasonably inferred for a complete installation including all accessories and appurtenances required for testing the system. It is the intent of the drawings and specifications that all systems be complete, and ready for operation. REGULATORY REQUIREMENTS: Code compliance is mandatory. Nothing in these Drawings and Specification spermits work not conforming to these codes. Where work is shown to exceed minimum code requirements, comply with drawings and specifications. All work and materials shall comply with the latest rules, codes and regulations, including, but not limited to the	2.01	MATERIAL APPROVAL: All materials must be new and bear Underwriter's Laboratories label. Materials that are not covered by UL testing standards shall be tested and approved by an independent testing laboratory or a governmental agency. Material not in accordance with these specifications may be rejected either before or after installation. CONDUITS AND OTHER RACEWAYS: A. Rigid Steel: Hot—dipped galvanized. B. Intermediate Metal Conduit (IMC): Hot—dipped galvanized. C. Electrical Metallic Tubing (EMT): Electro—galvanized. D. Wireway: Code gauge steel, with knockouts and hinged cover, corrosion resistant gray baked enamel finish. E. Provide fittings and accessories approved for the purpose equal in all respects
1.02	following: 1. Occupational Safety and Health Act Standards (OSHA). 2. NFPA #70: National Electric Code (NEC), 3. NFPA #101: Life Safety Code. 4. State Fire Marshal. 5. Local Utilities Companies. LICENSE, FEES AND PERMITS: Electrical contractor shall pay for all licenses, permits and inspection fees required by the authority having jurisdiction and shall arrange for all required inspections. SAFETY AND INDEMNITY: The Contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of work. This requirement will apply continuously and not be limited to normal working hours. No act, service, drawing review or construction review by the Owner, the Engineers or their Consultants, is intended to include review of the adequacy of the Contractor's safety measures, in, on, or near the construction site. DRAWINGS AND SPECIFICATIONS: All drawings and all Divisions of these specifications shall be considered as a whole and work of this Division shown anywhere therein shall be furnished under this	2.03	to the conduit or raceway. EMT connectors and couplings shall be steel setscrew type indoors and steel compression type in wet locations and outdoors. WIRES AND CABLES: A. For power and lighting system 600V or less: 1. Conductor: minimum size #12 AWG. a. #12 and #10 AWG solid copper. b. #8 AWG and larger shall be stranded copper. 2. Insulation type: a. #12 to #1 AWG: THWN for wet or underground and THHN for dry locations. b. #1/0 through #4/0 AWG: XHHW (55 mils). c. #250 MCM and larger: XHHW (65 mils). d. Grounding wire: TW. B. For signal and communications circuit: 1. Special cables shall be as specified on drawings. 2. Conductors for general use shall be stranded copper conductor, #16 AWG minimum, with THWN insulation for underground or wet locations and THHN insulation for dry locations.
1.05	Division. Drawings are diagrammatic and indicate the general arrangement of equipment and wiring. Most direct routing of conduits and wiring is not assured. Exact requirements shall be governed by conditions of the job. Consult all other drawings in preparation of the bid. Extra lengths of wiring or addition of pull or junction boxes, etc., necessitate by such conditions shall be included in the bid. CONDITIONS AT SITE: The electrical contractor shall have examined the site and familiarized themselves with all discernible existing conditions. No extra payment will be allowed for work required because of these conditions, whether specifically mentioned or not. WORKMANSHIP AND CONTRACTOR'S QUALIFICATIONS: Only quality workmanship will be accepted. Haphazard or poor installation will be cause for rejection of work. SHOP DRAWINGS AND MATERIALS LISTS: Submit to Owner in a single package six (6) copies of complete shop drawings and materials list, as noted below, for review within fifteen (15) days after award of	2.04	 C. Acceptable Products: General Electric, Anaconda, Okonite, Paranite or Triangle products conforming or exceeding applicable IPCEA standards. OUTLET BOXES, JUNCTION AND PULL BOXES: A. Outlet boxes: 4" square x 1-1/2" deep (or larger) galvanized sheet steel KO-type with plaster ring and cover for general interior use and cast metal type FS or FD with matching screw covers for exterior and exposed interior locations (gasketed in damp or wet locations). B. Junction boxes shall be same as outlet boxes up to 42 cu. in. and codegauge steel in larger sizes with surface or flush-type screw-mounted trim covers, both boxes and covers inhibitor-primed and painted inside out. C. Pull boxes shall be same as junction boxes unless indicated otherwise on the drawings, with covers. D. Telephone outlet boxes shall be the type and size required by the serving telephone company but not smaller than 4-11/16" square x 2-1/8" deep with single-gang ring and Sierra #S-754N split plate bushing.
1.08	contract. Submittals required as follows: 1. Wiring devices: switches, receptacles, device plates. 2. Enclosures for utility company metering. 3. Main fused disconnect switch. 4. Panelboards. 5. Disconnect switches. 6. Lighting fixtures, lamps and lighting control equipment. SUBSTITUTIONS: One or more makes of materials or methods may have been specified to establish	2.05	WIRING DEVICES AND PLATES: Wiring devices and plates shall be by Pass and Seymour or approved equal. 1. Standard design: a. Switch and receptacles devices shall be plastic bodies, color per architect. b. Wall plates shall be metal type 430, stainless steel, color per architect. c. Isolated ground receptacles shall be white with orange triangle as required per NEC, manufactured by "Leviton" # 5362—IGW or approved equal.
1.09	the standard of quality, workmanship, finish and design required, but other materials or methods equal in quality, workmanship, finish, design, and guaranteed performance, will be accepted. However, all changes and substitutions shall be requested in letter form and shall be accompanied with a statement of the amount of money to be returned to the contract if the substitution is permitted. No work involving materials submitted for substitution shall proceed until written acceptance is received from the Owner. The Owner is the sole judge of acceptability of preferred substitutions. If a substitution item is permitted, and any re-design effort is thereby necessitated, the required redesign shall be at the Contractor's expense. COORDINATION: Coordinate work with other trades to avoid conflict and to provide correct rough—in and connection for equipment furnished under other trades that require electrical	2.06	CONDUIT HANGERS: For individual conduit runs not directly fastened to the structure, use rod hangers manufactured by Caddy, Unistrut or Powerstrut. For multiple conduit runs, use Unistrut or Powerstrut trapeze type conduit support designed for maximum deflection not greater than 1/8". WIRE CONNECTORS: For wire sizes #8 AWG and smaller: Insulated pressure type (with live spring) rated 105 degrees C, 600V, for building wiring and 1000V in signs or fixtures. Scotchlok or Ideal. For wire size #6 AWG and larger: T & B or equivalent compression type with 3M #33+ or Plymouth "Slipknot Grey" tape insulation.
1.10	connections. Inform Contractors of other trades of the required access to and clearances around electrical equipment to maintain service ability and code compliance. Verify equipment dimensions and requirements with provisions specified under this Section. Check actual job conditions before fabricating work. Report necessary changes in time to prevent needless work. Changes or additions, subject to additional compensation, which are made without written authorization and an agreed price, shall be at the Contractor's risk and expense. CUTTING AND PATCHING: All cutting and patching required for work of this Division is included herein.		PANELBOARDS: A. Construction: Cabinets shall be of code gauge, galvanized steel, surface or flush mounted as indicated. Doors shall be of cold—rolled steel with concealed hinges and flush catch and lock. All panels shall be keyed alike. Panels located adjacent to each other shall have identically sized enclosure and trims. Minimum panel width shall be 20". Finish exposed part with one coat of primer and one coat of light grey enamel suitable for overpainting in field if desired. B. Bus Bars: Provide ground block with full complement of terminals in addition to insulated neutral bus. Future breaker spaces shall have complete provision including busses and
1.11	Coordination with General Contractor and other trades is imperative. Contractor shall bear the responsibility for and the added expense of adjusting for improper holes, supports, etc. ACCEPTANCE DEMONSTRATION: Upon completion of the work, at a time to be designated by the Owner, the Contractor shall demonstrate for the Owner the operation of the electrical installation including any and all special items installed by him or installed under his supervision. Properly set automatic time switches to perform switching operations in accordance with schedules provided by the Owner's representative, and demonstrate (using the manufacturer's operating instructions) how to override and/or test time switches	2.08	connecting hardware. C. Manufacturers: Panelboards shall be General Electric Type "AQ" or type "AE" or equivalent products of Eaton, Square—D or Siemens—ITE. D. Circuit Breakers: Shall be quick—make, quick—break, molded case type: 1. 120/240 Volt Panels: Shall be General Electric Type "Q" line, bolt—on type, with minimum symmetrical interrupting capacity as shown. 2. Provide multi—pole units with common trip element. 3. Circuit breakers used on "ON—OFF" control of fluorescent lighting (panelboard switching) shall be Underwriters' Laboratories listed and marked "SWD" to indicate their suitability.
1.13	programming. RECORD DRAWINGS, EQUIPMENT DATA: Maintain one set of clean working drawings at the job site and enter daily such "as—built" information as feeder and service routes, pull box locations and changes in layout or arrangement which occur during construction. Deliver completed drawings to the Owner. Deliver to the Owner's representative three copies of data sheets or other current manufacturers' publications for each item of electrical equipment furnished for the project including at least these data: 1. Technical description and replaceable parts list. 2. Physical description and installation instructions. 3. Main fused disconnect switch. 4. Manufacturer's Warranty.	2.09	E. Identification: Provide screwed—on (no adhesives) bakelite or photo—etched metallic nameplate identification on outside of each panel showing panel designation, voltage and phase in minimum 1/8" high letters. Each panel shall contain a metal—framed circuit directory inside cover, with plastic protector. F. Complete shop drawings are required. See Article 1.08. INDIVIDUALLY MOUNTED MOTOR CONTROLLERS: A. For Polyphase Motors: Combination motor circuit protector and magnetic starter, with 3—leg overload protection. Provide two interlock contacts of the interchangeable open—close type. Provide hand—off—automatic selector switch, motor running pilot light and reset button in cover. Circuits 300V and over shall be provided with 120V control transformers. B. Starters for fractional horsepower 120V motors shall be manual type unless shown otherwise, equipped with built—in overload protection.
1.14	CLEAN—UP: Rid the premises of scrap materials, trash and debris both during construction and at completion of the project. Leave the building and surrounding area in a clean and orderly condition. GUARANTEE: Guarantee the installation free from defects of workmanship and materials for a period of one year after Date of Certification of final payment and promptly remedy any defects developing during this period, without charge.	2.10	C. Acceptable manufacturers: General Electric, Siemens, Square D, Eaton, and Westinghouse. LIGHTING: A. Furnish and install all fixtures complete, including lamps and ballast ready for service. B. Supports: Proper supports and mounting accessories, such as hangers, stems, yokes, plaster frames, etc. shall be provided as required by the type of ceiling installed. Where swivel canopies or ball aligners are specified, they shall couse fixture to hang plump regardless of ceiling slope.
1.16	TEMPORARY SERVICES: Provide adequate and safe temporary electrical power and lighting throughout the construction and finishing of the premises. In addition to special or unusual requirements, provide at least these items: 1. Three 20—amp circuits for construction power tools. Provide GFI temporary circuits with coverplates to meet OSHA requirements. 2. Three or more light strings suspended approximately one foot below the height of finish ceiling with lamps spaced not more than twelve feet on centers. Strings shall be run the length of the store space parallel to the demising walls, with one string within eight feet of each wall and one (or more) intermediate string(s) arranged to limit the spacing between rows to sixteen feet or less. 3. Flood lighting and task lighting for painting and other finish work. When permanent electrical service is operable, disconnect and remove from the premises the materials and equipment used for temporary power and lighting, and restore modifications and repair damage caused by the installation, use or removal of temporary service provisions.	2.10	 C. Fixture Designation: Fixture types are designated on drawings. Where only one fixture designation is shown, it applies to all fixtures in that room or area. For exact fixture count and location refer to reflected ceiling plan. D. Wire 1—lamp and 3—lamp fluorescent fixtures in tandem where required by code. E. Ballasts: Advance, GE, or Approved high frequency electronic, full light output, energy saving, Class "P", high power factor, ETL certified, sound rating "A" or as indicated on drawings. MISCELLANEOUS MATERIALS: A: Safety Switches: Heavy duty type, 600V, horsepower rated for motors, fused or non—fused as required. Mount in enclosure with NEMA rating as required for the specific application General Electric, Square D or Westinghouse.

2.12	DRY TYPE TRANSFORMERS: General: Equipment shall conform to or exceed requirements of NEMA, ANSI Standard C89.2 for Dry Type Transformers for General Applications. Acceptable products are those of General Electric Company's "QL," Line or equivalent Square D, Siemens—ITE, or Eaton. Electrical Ratings: 1. Primary windings voltage: 480 Volts, 3—Phase, delta. Secondary windings voltages: 240Y/120 Volts, 3—Phase grounded. Frequency: 60 Hz. KVA rating: As shown on drawings. Taps: Six (6) 2.5% full capacity taps; 2 above and 4 below, rated voltage. Impedance: For transformers larger than 75 KVA, 4.5% minimum, 5.75% maximum. 2. Winding temperature rise shall be 150 degrees Centigrade in accordance with UL Specification Article 506. 3. Transformer shall be capable of operating at 100% of nameplate rating continuously while in an ambient temperature not exceeding 40 degrees Centigrade. 4. Transformer shall meet the daily overload requirements of ANSI Standard C57.96. Vibration Isolation, Factory—Installed: Provide neoprene rubber pads to isolate core and coil assembly from transformer enclosure. Installation: 1. Anchor transformer securely with minimum 1/2" diameter bolts. Strength of bolts used to secure the transformer shall be sufficient to resist shear and uplift produced by force equal to 1/2 of the equipment mass applied horizontally at center of gravity. 2. Provide 1" thick high resiliency pads to isolate transformer from floor or platform. Korfund "Elasto Rib" or equivalent. 3. Use flexible conduits at least 24" long for electrical connections. 4. Provide grounding of each transformer secondary including all conduits, wires, and connectors in accordance with NEC 250—26 and any local additional regulations.
2.12	General: Equipment shall conform to or exceed requirements of NEMA, ANSI Standard C89.2 for Dry Type Transformers for General Applications. Acceptable products are those of General Electric Company's "QL," Line or equivalent Square D, Siemens—ITE, or Eaton. Electrical Ratings: 1. Primary windings voltage: 480 Volts, 3—Phase, delta. Secondary windings voltages: 240Y/120 Volts, 3—Phase grounded. Frequency: 60 Hz. KVA rating: As shown on drawings. Taps: Six (6) 2.5% full capacity taps; 2 above and 4 below, rated voltage. Impedance: For transformers larger than 75 KVA, 4.5% minimum, 5.75% maximum. 2. Winding temperature rise shall be 150 degrees Centigrade in accordance with UL Specification Article 506. 3. Transformer shall be capable of operating at 100% of nameplate rating continuously while in an ambient temperature not exceeding 40 degrees Centigrade. 4. Transformer shall meet the daily overload requirements of ANSI Standard C57.96. Vibration Isolation, Factory—Installed: Provide neoprene rubber pads to isolate core and coil assembly from transformer enclosure. Installation: 1. Anchor transformer securely with minimum 1/2" diameter bolts. Strength of bolts used to secure the transformer shall be sufficient to resist shear and uplift produced by force equal to 1/2 of the equipment mass applied horizontally at center of gravity. 2. Provide 1" thick high resiliency pads to isolate transformer from floor or platform. Korfund "Elasto Rib" or equivalent. 3. Use flexible conduits at least 24" long for electrical connections. Provide grounding of each transformer secondary including all conduits, wires, and connectors in accordance with NEC 250—26 and any local additional
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	Togaratione.
PART 3	EXECUTION
	GENERAL: A: Electric system layouts indicated on the drawings are generally diagrammatic
	and shall be followed as closely as actual construction and work of other trades will permit. Govern exact routing of cable and wiring and the locations of outlets by the structure and equipment served. Take all dimensions from architectural drawings. B. Consult all other drawings, verify scales and report any dimensional discrepancies or other conflicts with Owner before submitting bid.
3.01	C. All home runs to panelboards are indicated as starting from the outlet nearest the panel and continuing in the general direction of that panel. Continue such circuits to the panel as though the routes were completely indicated. Terminate homeruns of signal, alarm, and communication systems in a similar
	D. Avoid cutting and boring holes through structure or structural members wherever possible. Obtain prior approval of Owner and conform to all structure requirements when cutting or boring the structure is necessary and permitted. E. Furnish and install all necessary hardware, hangers, blocking, brackets, bracing runners, etc. required for equipment specified under this Section. F. Provide necessary backing required to insure rigid mounting of outlet boxes.
3.02	WIRING METHODS: A. Install all wiring in raceway or use MC cable. Where approved by all Applicable codes.Conduit shall be rigid steel, IMC or EMT as follows: 1. Above ground: Use rigid steel, IMC or EMT. a. Wet locations: Rigid steel or IMC only. b. Locations subject to mechanical injury: Rigid steel or IMC only. c. Dry locations and not subject to mechanical injury: EMT, IMC or rigid steel conduit. 2. Underground: Use rigid steel. B. Use flexible conduits in the following applications: 1. Recessed lighting fixtures.
	 Motor connections. At building joints. At wet locations, flexible conduit shall be liquid tight type. INSTALLATION OF CONDUITS: General: Run all conduit concealed unless otherwise noted or shown. Run all conduit parallel to or at right angles to center lines of columns and beams. Conduits above ceilings shall not obstruct removal of ceiling tiles, lighting
3.03	fixtures, air diffusers, etc. 4. Conduits shall not cross any duct shaft or area designated as future duct shaft horizontally. Conduit risers when allowed in duct shaft must be coordinated with Mechanical work to avoid any conflict. B. Conduit Supports: 1. Support conduits with Underwriter's Laboratories listed steel conduit supports at intervals required by the National Electric Code. Wires or sheet metal strips are not acceptable for conduit support. Use conduit hangers for all conduits not directly fastened to structure and for all
	 multiple conduit runs. Do not attach any conduit to mechanical ducts of pipes. 2. Individual conduits 1/2" and 3/4" size for lighting may be supported from ceiling support wires with Caddy clips only if acceptable to local code. Only one conduit is permitted to be attached to any ceiling support wire Hang such conduit so as not to affect level of ceiling. 3. Avoid attaching conduit to fan plenums. When it is necessary to support conduit from fan plenum, provide a length of flexible conduit between portion attached fan plenum and portion attached to the building to
	minimize transmission of vibration to the building structure. CONNECTIONS TO EQUIPMENT: A. General: 1. Furnish and install required power supply conduit and wiring to all equipment. See below for other wiring required. 2. Furnish and install a disconnect switch immediately ahead of and adjacent to each magnetic motor starter or appliance unless the motor appliance is located adjacent and within sight of the serving panelboar.
3.04	circuit breaker or switch. Verify all equipment nameplate current rating prior to installation. 3. Install all rough—in work for equipment from approved shop drawings to suit the specific requirements of the equipment. 4. Furnish and install manual thermal protection for all motors not integrally equipped with thermal protection. 5. Furnish 120 Volt power to each control panel and time switch requiring a source of power to operate.
	3.02

Blue

Orange Yellow

White

Green

Red

Black

Brown

120/208V

277/480V

	PART 3	EXECUTION
ndard C89.2 are those of ITE, or ed voltage. n, 5.75% ardance with rating degrees	3.06	INSTALLATION OF WIRES: A. Pull no wire into any portion of the conduit system until all construction work which might damage the wire has been completed. B. Install all wire continuous from outlet to outlet or terminal to terminal. Splices in cables when required shall be made in handholes, pull boxes or junction boxes. Make branch circuit splices in outlet boxes with 8" of correctly color—coded tails left in the box. C. Splices in wires and cables shall be made utilizing materials and methods described herein before. D. Make all ground, neutral and line connections to receptacle and wiring device terminals as recommended by manufacture. Provide ground jumper from outlet box to ground terminal of devices when the device is not approved for grounding through the mounting screws. E. Provide Brady wire markers where number of conductors in a box exceeds four F. Megger and record insulation resistance of all 600 Volt insulated conductors size #4/0 and larger using 500 Volt megger for one minute. Make tests with circuits isolated from source and load.
from Strength of shear and oplied	3.07	IDENTIFICATION: A. Provide nameplates for switchgears, panelboards, and all similar devices. Nameplates shall be screwed (no adhesives) engraved bakelite or photo—etched metallic nameplate identification showing panel designation, voltage and phase in minimum 1/4" high letters. B. Provide dymo labels on all lighting switches and convenience and special purpose receptacles to show panel and circuit number to which the device is connected. C. Each panelboard shall contain a metal—framed circuit directory inside cover, with plastic protector. D. Panelboard Schedule: After completion of work, provide typewritten updated panelboard schedules for all panelboards.
iagrammatic of other the locations nsions from al . outlet nearest Continue such ated. s in a similar embers o all structural and permitted. skets, bracing,	3.08	REMODELING WORK: A. Existing electrical wiring which will not be made obsolete and which will be disturbed due to construction changes required by this contract shall be restored to operating condition. Where construction changes require, outlets and conduit runs shall be relocated. Extend conduits and pull in new wiring or install junction boxes and splice in new wiring. B. Outlets from which fixtures, switches, receptacles, and/or other electrical devices are moved and which are not replaced or reused shall be removed, where outlets boxes, etc., are completely removed, the contractor shall cut off conduits and remove wiring. C. Where conduits extending through floors are to be abandoned, the contractor shall cut and cap or plug conduit, and the conduit shall not protrude above the floor. D. Where existing conduit is to be abandoned, the conduit shall be removed if it is exposed, in a crawl space or in accessible ceiling. Where it is impossible to remove the conduit, it shall be cut off and capped or plugged. E. Remove all existing wiring not reused or required to maintain continuity circuits to remain. F. The contractor shall be held fully responsible for the proper restoration of all existing surfaces requiring patching, plastering, painting and/or other repairs due to the installation of electrical work under the terms of this specification. Close all openings, repair all surfaces, etc., as required. G. Maintain circuit continuity to areas outside of this work. Provide new conduit and conductors as required to maintain continuity and maintain area as existing.
all Applicable or IMC only. EMT, IMC or	3.09	GROUNDING: A. Electrical service and separately derived alternating current system shall be grounded in accordance with NEC Article 250-3 to 250-26, inclusive. B. Ground non-current carrying metal parts of electrical equipment enclosures, frames, conductor raceways or cable trays to provide a low impendance path for line-to-ground fault current and to band all non-current carrying metal parts together. Provide ground conductor in each raceway system in addition to conductors shown. Equipment ground conductor shall be electrically and mechanically continuous from the electrical circuit source to the equipment to be grounded. Size ground conductors per NEC Article 250-95 unless larger conductors are shown on drawings C. Grounding conductors shall be identified with green insulation. Where green insulation is not available on larger sizes, black insulation shall be used and suitable identified with green tape at each junction box or device enclosure.

identified with green tape at each junction box or device enclosure.

END OF SECTION

CLIENT: ADDRESS: 347 W. Market St_Salinas, CA 93901 **CONFIDENTIALITY STATEMENT:** ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER AND THE SAME MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT CONSENT OF THE DESIGNER. NOTES: 1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE. 2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS. 3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING WORK. 4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

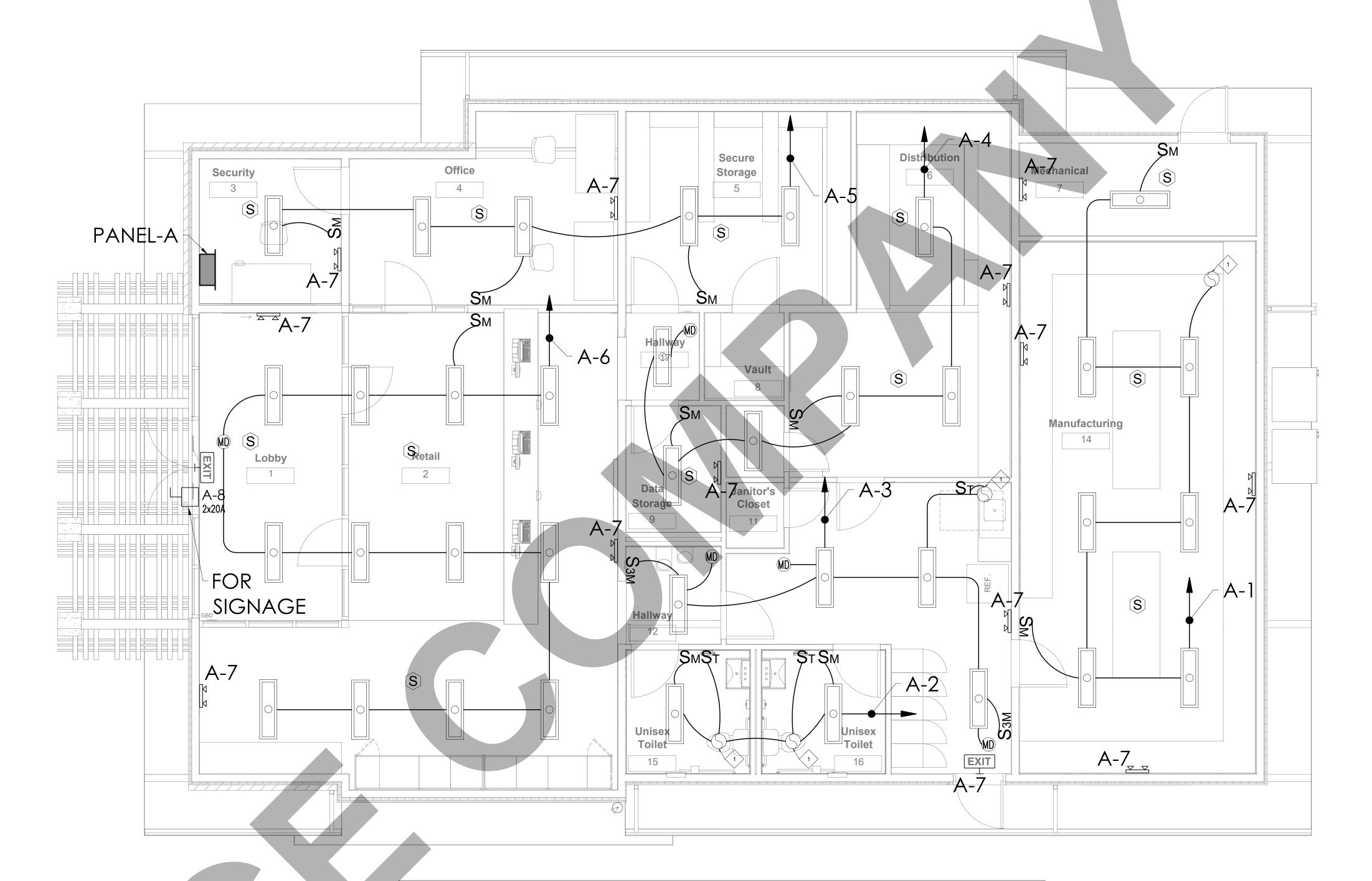
REV. NO.	DESCRIPTION	DATE	BY

APN: 002-041-056-000

Proposed Property Development Element 7 Cannabis Retail

ELECTRICAL SPECIFICATION

PROJ. NO.	PROJ. ENGR.	SCA	LE @ 24X36:
		١	ITS
DRAWING N	O.		REV.
E 1 .	0		



SHEET NOTES:

PROVIDE HEAVY DUTY JUNCTION BOX, FLUSH IN CEILING (OR WALL) FOR EXHAUST FANS
THAT TURNS ON WHEN THE TIMER SWITCH OF THIS FAN IS TURNED ON

CLIENT:

ADDRESS:

347 W. Market St_Salinas, CA 93901 APN: 002-041-056-000

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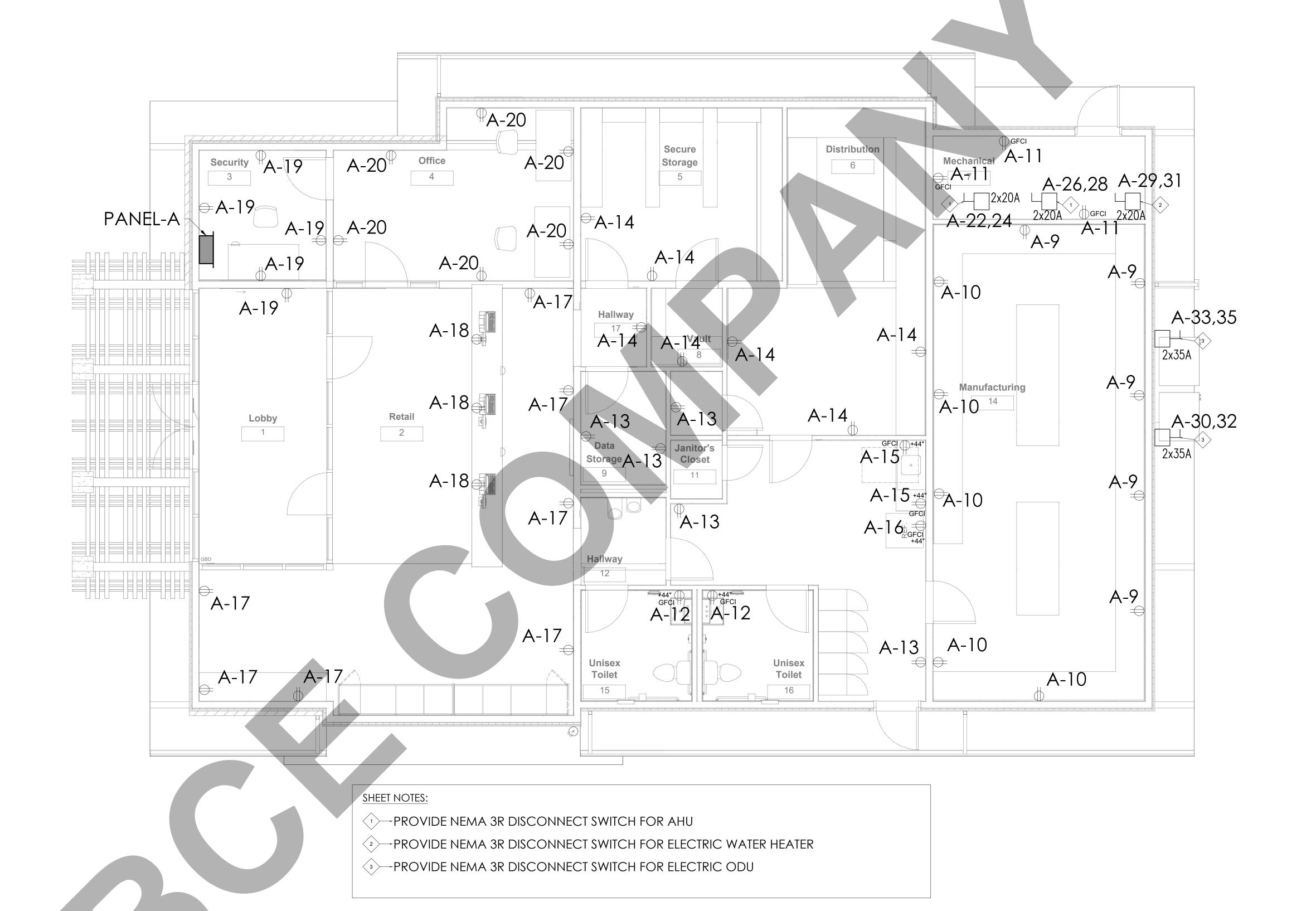
DESCRIPTION DATE BY

Proposed Property Development Element 7 Cannabis Retail

LIGHTING LAYOUT

PROJ. NO. PROJ. ENGR. SCALE @ 24X36: 1/2"=1'-0" DRAWING NO.

E 2.0



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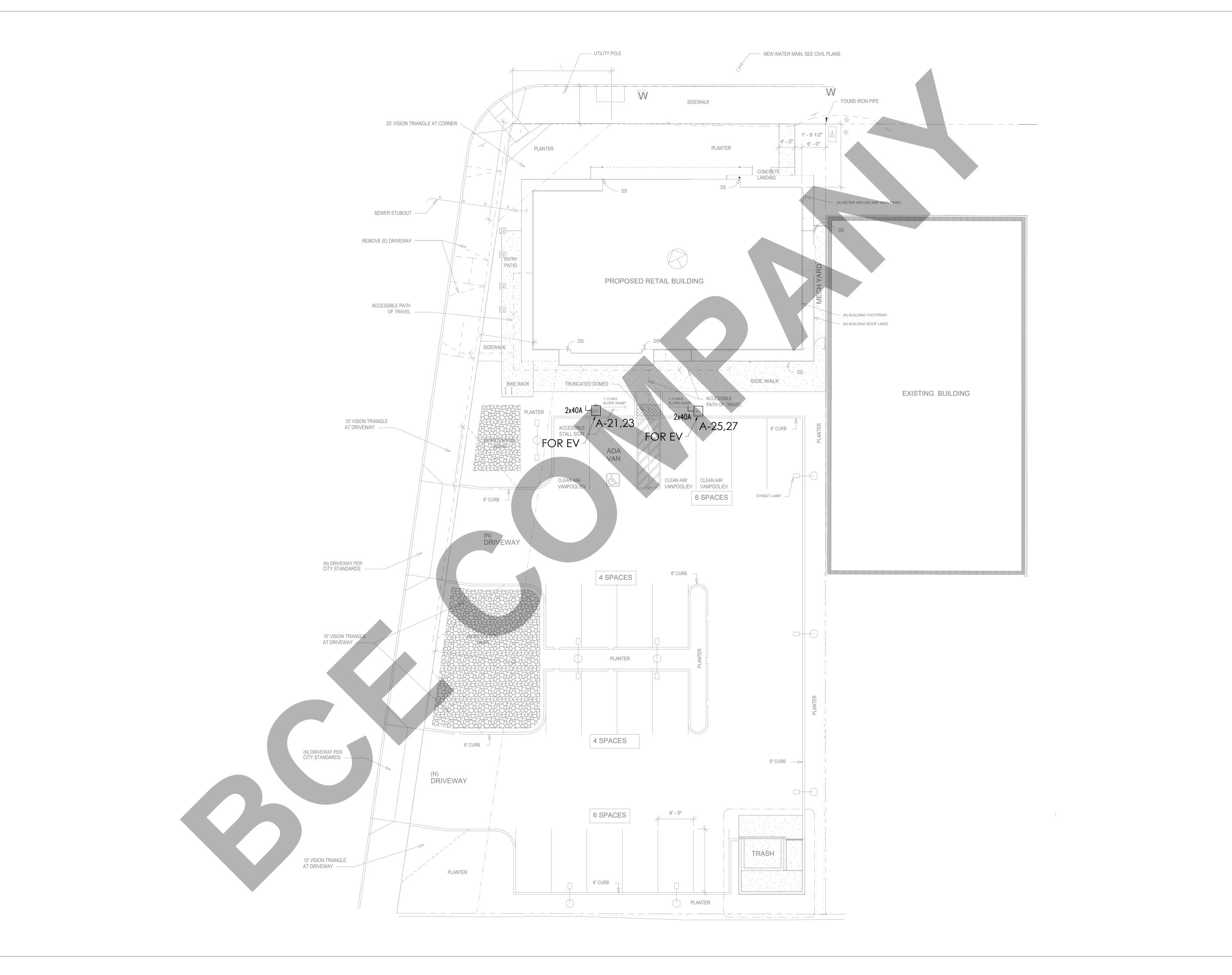
DATE BY DESCRIPTION

Proposed Property Development Element 7 Cannabis Retail

POWER LAYOUT

PROJ. NO.	PROJ. ENGR.	SCA	LE @ 24X36
		1	/2"=1'-0"
DRAWING N	IO.		REV.

E 3.0



CLIENT:

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AT SITE BEFORE COMMENCING WORK.

4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT

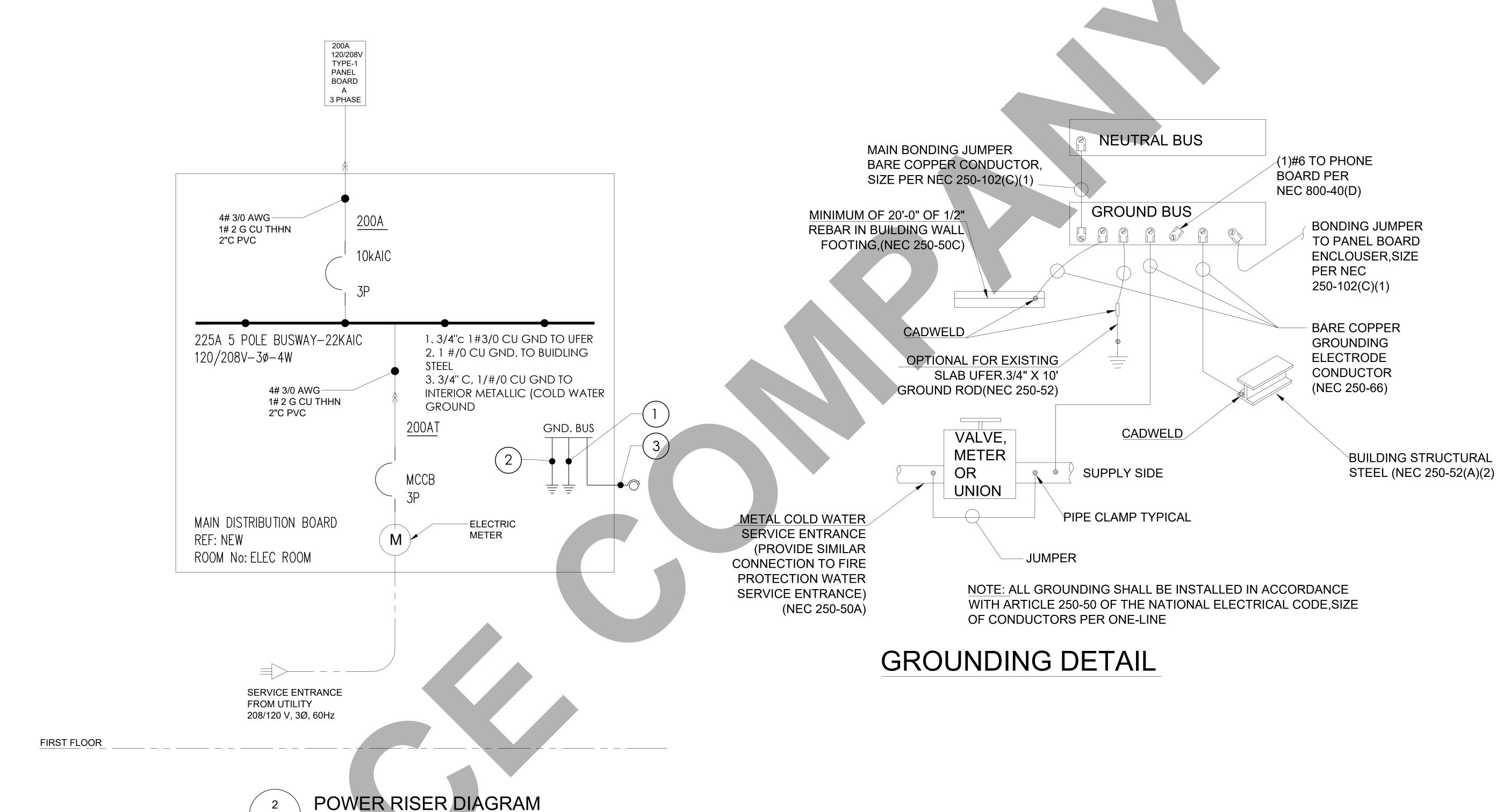
TO THE BUILDING AND ANY ADJACENT STRUCTURES.

DATE BY DESCRIPTION

Proposed Property Development Element 7 Cannabis Retail

POWER LAYOUT SITE PLAN

PROJ. NO.	PROJ. ENGR.	ALE @ 24X36: 3/8"=1'-0"
DRAWING N	IO.	REV.
E 3.	1	



E-1

CLIENT:

ADDRESS:

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AT SITE BEFORE COMMENCING WORK.

4. THE CONTRACTOR IS RESPONSIBLE FOR

PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

DESCRIPTION DATE BY

Proposed Property Development Element 7 Cannabis Retail

ONE LINE DIAGRAM

SCALE @ 24X36: NTS DRAWING NO. E 4.0

Loc	ation: SECURITY		CON	CONNECTED LOAD			
* LOAD SUMMARY	CL	DF	Α	В	С	TOTAL	
L Lighting	1.98	1.25	1.06	0.33	0.59	2.48	
R Convenience Recept	9.84		4.32	2.16	3.36	9.84	
H Heating (Space)	3.50	1.25	1.75		1.75	4.38	
C Cooling		1.00					
A HVAC	11.60	1.00	2.90	3.38	5.32	11.60	
P Process		1.00					
O Other Continuous		1.25					
K Kitchen		0.65		0.50			
N Noncontinuous	16.80	1.00	4.20	8.40	4.20	16.80	
M Motor		1.00					
Total	43.73		14.23	14.77	15.23	45.10	

Total Demand Load (KVA)	45.10
Total Demand Current (A)	108.48
Min. Feeder Ampacity (A)	135.60

PANEL A PANELBOARD DESIGNATION

SYSTEM VOLTAGE	240V, 3Ф, 3W
BUS SIZE	200
SYSTEM TYPE	NORMAL
FEEDER PROT	200A-3P C/B Bus Plug
CONDUCTOR SIZE	3/0 AWG - #2G CU
CONDUCTOR/PHASE	1
MAINS	200A MCB
SCCR	FULLY RATED
MCB RATING	80%
GROUND FAULT	NO
FEEDER LENGTH (FT)	50
FEEDER V. DROP (%)	0.555
FAULT CURRENT	
KAIC RATING	10
ENCLOSURE	TYPE 1
	· · · · · · · · · · · · · · · · · · ·

	DESCRIPTION	*	WIRE	GRD	СВ	KVA	Α	В		KVA	СВ		WIRE	GRD	DESCRIPTION	*	
1	LIGHTING MANUFACTURING-MECH	L	2x 14 AWG	- #14G	15A-1P	0.23	0.35			0.12	15A-1P	2x	14 AWG	- #14G	LIGHTING TOILETS	L	_ 2
3	LIGHTING KITCHEN	L	2x 14 AWG	- #14G	15A-1P	0.13		0.33		0.20	15A-1P	2x	14 AWG	- #14G	LIGHTING DISTRIBUTION-DATA STORAGE-HALLWAY	L	4
5	LIGHTING SECURITY-OFFICE- SECURE STORAGE	L	2x 14 AWG	- #14G	15A-1P	0.20			0.59	0.40	20A-1P	2x	12 AWG	- #12G	LIGHTING RETAIL-LOBBY	L	_ 6
7	LIGHTING EMERGENCY-EXIT	L	2x 14 AWG	- #14G	15A-1P	0.21	0.71			0.50	20A-1P	2x	12 AWG	- #12G	SIGNAGE	L	. 8
9	RECEPTACLES MANUFACTURING	R	2x 12 AWG	- #12G	20A-1P	0.90		1.80		0.90	20A-1P	2x	12 AWG	- #12G	RECEPTACLES MANUFACTURING	F	10
11	RECEPTACLES MECH. ROOM	R	2x 12 AWG	- #12G	20A-1P	0.54			0.90	0.36	20A-1P	2x	12 AWG	- #12G	RECEPTACLES TOILETS	F	12
13	RECEPTACLES KITCHEN-DATA STORAGE	R	2x 12 AWG	- #12G	20A-1P	0.90	2.16			1.26	20A-1P	2x	12 AWG	- #12G	RECEPTACLES DISTRIBUTION-DATA STORAGE-SECURE STORAGE	F	R 14
15	RECEPTACLES KITCHEN	R	2x 12 AWG	- #12G	20A-1P	0.36		0.86		0.50	20A-1P	2x	12 AWG	- #12G	FRIDGE	K	16
17	RECEPTACLES RETAIL	R	2x 12 AWG	- #12G	20A-1P	1.26			2.46	1.20	20A-1P	2x	12 AWG	- #12G	RECEPTACLES DESKTOPS	F	18
19	RECEPTACLES SECURITY	R	2x 12 AWG	- #12G	20A-1P	0.90	2.16			1.26	20A-1P	2x	12 AWG	- #12G	RECEPTACLES OFFICE	F	20
21	EV/	N	2v 9 AVAC	#90	40A 2D	4.20		4.68		0.48	45A 2D	2	14 0000	#140	ALII.1.02	A	22
23	EV	N	3x 8 AWG	- #8G	40A-2P	4.20			4.68	0.48	15A-2P	3x	14 AWG	- #14G	AHU-02	Α	24
25	EV.	N	211 0 111/0	#90	40A 2D	4.20	4.68			0.48	45A 2D	2	44.404/0	#110	A1111.04	A	26
27	EV	N	3x 8 AWG	- #8G	40A-2P	4.20		4.68		0.48	15A-2P	3x	14 AWG	- #14G	AHU-01	A	28
29	ELECTRIC MATERIALE ATER	Н		#120	204 20	1.75			4.17	2.42	254.20	2	0.414/0	#20	0011.00	A	30
31	ELECTRIC WATER HEATER	Н	3x 12 AWG	- #12G	20A-2P	1.75	4.17			2.42	35A-2P	3x	8 AWG	- #8G	ODU-02	A	32
33		Α			054.05	2.42		2.42							SPACE		34
35	ODU-01	Α	3x 8 AWG	- #8G	35A-2P	2.42			2.42						SPACE		36
\dashv		(K)	VA)	L													

Total Connected Load 14.23 14.77 15.23

CLIENT:

ADDRESS:

347 W. Market St_Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

ALL DRAWINGS AND WRITTEN MATERIALS

APPEARING HEREIN CONSTITUTE THE

ORIGINAL AND UNPUBLISHED WORK OF THE

DESIGNER AND THE SAME MAY NOT BE

DUPLICATED, USED OR DISCLOSED WITHOUT

CONSENT OF THE DESIGNER.

NOTES:

1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE. 2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER,

SPECIFICATIONS.

ENGINEER OR SPECIALIST DRAWINGS AND

3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING WORK.

4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT

TO THE BUILDING AND ANY ADJACENT STRUCTURES.

DATE BY DESCRIPTION

PROJECT:
Proposed Property Development Element 7 Cannabis Retail

PANEL BOARDS SCHEDULES

PROJ. NO.	PROJ. ENGR.	SCA	LE @ 24X36:
		١	NTS
DRAWING N	Ю.		REV.

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PLUMBING SPECIFICATIONS

THE WORK INCLUDES MODIFICATION TO THE EXISTING PLUMBING SYSTEM AND PROVIDING NEW MATERIALS, FITTINGS AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM. THE WORK ALSO INCLUDES ROUGH-IN AND FINAL CONNECTIONS TO FOOD SERVICE EQUIPMENT AND BEVERAGE DISPENSING EQUIPMENT PROVIDED BY OTHERS. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND/OR ORDINANCES AND IS SUBJECT TO INSPECTION. HOOK-UP CHARGES, PERMITS AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING PLUMBING SYSTEM ARE INCLUDED AS A PART OF THIS SECTION. WARRANTY: PROVIDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF THE COMPLETED PROJECT PROVIDE A SEPARATE LINE ITEM DEDUCT AMOUNT ON THE PROPOSAL FORM TO DELETE WARRANTY SERVICE, AT THE OWNER'S OPTION. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, FIXTURES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS. COMPLY WITH ALL APPLICABLE ADA INSTALLATION REQUIREMENTS. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PIPING SYSTEMS - GENERAL: ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK SUCH AS DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIALECTIC UNION. ALL HANGERS SHALL BE COMPATIBLE WITH PIPING MATERIAL TO PREVENT CORROSION. PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED. FIXTURES/EQUIPMENT FURNISHED BY OTHERS: PLUMBING CONTRACTOR SHALL PROVIDE UTILITY CONNECTIONS REQUIRED SUCH AS WATER, GAS, AIR, SUPPLIES, WASTE OUTLET, TRAPS, ETC. AT ALL PLUMBING TYPE FIXTURES OR EQUIPMENT FURNISHED BY OWNER, GENERAL CONTRACTOR, FOOD SERVICE CONTRACTOR, EQUIPMENT SUPPLIER, ETC. INCLUDED ARE STOP VALVES, ESCUTCHEONS, AND CHROME PLATED BRASS TUBING WITH COMPRESSION FITTINGS. SEWER AND WASTE PIPING: PROVIDE ALL DRAINS AND SEWERS WITHIN THE SPACE WITH CONNECTION TO THE EXISTING DRAINAGE SYSTEMS ON-SITE. SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE CO-EXTRUDED PVC DWV (SCHEDULE 40) PIPE, FITTINGS AND CONNECTIONS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE CO-EXTRUDED PVC DWV (SCHEDULE 40) PIPE WITH SOLVENT WELD FITTINGS MAY BE USED (WHERE PERMITTED BY CODE/LOCAL AUTHORITIES). ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED, 1/4" PER FOOT UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON THE DRAWINGS. VENTS: PROVIDE A COMPLETE SYSTEM OF STANDARD WEIGHT CAST IRON NO-HUB VENT RISERS WHERE THE CEILING SPACE IS USED AS A RETURN AIR PLENUM OR USE CO-EXTRUDED PVC DWV (SCHEDULE 40) PIPE (WHERE PERMITTED BY CODE/LOCAL AUTHORITIES) WHERE THERE IS A DUCTED RETURN AIR SYSTEM. DO NOT USE PVC PIPE IN RETURN AIR PLENUM SPACES. THE VENT SYSTEM SHALL BE CARRIED THROUGH THE ROOF WITH APPROPRIATE FLASHING. CONDENSATE AND INDIRECT DRAIN PIPING:PIPING ABOVE FLOOR SHALL BE CO-EXTRUDED PVC DWV (SCHEDULE 40) PIPE, FITTINGS AND CONNECTIONS. PIPING BELOW GRADE SHALL BE CO-EXTRUDED PVC DWV(SCHEDULE 40) PIPE WITH SOLVENT WELD FITTINGS. CLEANOUTS: PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPES THEY SERVE, CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW. WATER DISTRIBUTION PIPING: LAYOUT WATER PIPING SO THAT THE ENTIRE SYSTEM CAN BE DRAINED. HOT AND COLD WATER PIPING SHALL BE 1/2" MIN. CPVC PIPE WITH SOLVENT FITTING. PROVIDE WATER HAMMER ARRESTERS AT EACH FIXTURE OR GROUP OF FIXTURES AS REQUIRED. INSTALL CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS THROUGH FINISHED SURFACES (INCLUDING CABINET INTERIORS). PIPE INSULATION: INSULATE (AS ALLOWED BY CODE) ALL LISTED SERVICE PIPING AS FOLLOWS. DOMESTIC COLD/HOT WATER, HOT WATER RETURN, STORM WATER PIPING. PROVIDE 1" PREFORMED FIBERGLASS, ASJ/SS-11, FLAME SPREAD 25, SMOKE DEVELOPED 50, ASTM C-547. FOR CONDENSATE PIPING PROVIDE 1/2" THICK INSULATION OF SAME CHARACTERISTICS AS LISTED FOR 1" ABOVE. WHERE PERMITTED BY LOCAL CODES, PROVIDE 1/2" SELF-ADHESIVE UNICELLULAR FOAM PIPE INSULATION WITH PRE-FORMED PVC FITTING COVERS - EQUAL TO SELF-ADHESIVE ARMSTRONG 2000 WITH K FACTOR OF 0.27 AT 75 DEGREES MEAN TEMPERATURE. INSULATE ANY EXPOSED CONDENSATE PIPING WITH WASTE TEMPERATURE BELOW 60 DEGREES F. SHUTOFF VALVES, WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE, FOOD SERVICE EQUIPMENT ITEM OR OTHER EQUIPMENT ITEM, TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. VALVES SHALL BE EQUAL TO JENKINS #902-T BALL VALVE, CHROME-FINISHED BRONZE, TEFLON SEATS AND PACKING, 400 LB. W.O.G., SOLDER END. ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETC. ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED. PIPING SYSTEM- PVC SCHEDULE 40, SCHEDULE 80 AND CPVC PIPE WITH SOLVENT FITTINGS SHALL BE USED WHERE PEMITTED BY CODE/LOCAL AUTHORITIES. INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT, AND OMIT ESCUTCHEONS. REPAIR EXISTING PLUMBING SYSTEM COMPONENTS DAMAGED BY CONSTRUCTION OPERATIONS AND RESTORE TO ORIGINAL CONDITIONS. TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE, FOR FOUR (4) HOURS MINIMUM. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT. REPLACE OR REPAIR AS REQUIRED. AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED. ROOF PENETRATIONS SHALL COMPLY WITH "SMACNA" AND "NRCA" STANDARDS. AND WITH THE REQUIREMENTS OF THE EXISTING ROOFING WARRANTY, IF APPLICABLE. DO NOT PERFORM ROOFING PENETRATIONS IN A MANNER WHICH WOULD VOID OR OTHERWISE LIMIT THE EXISTING ROOFING WARRANTY.

GENERAL NOTES

- THE INTENT OF THESE PLANS AND SPECIFICATIONS IS TO INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND SERVICES NECESSARY TO FURNISH, INSTALL, TEST, AND ADJUST A COMPLETE WORKABLE PLUMBING INSTALLATION AS SHOWN, PRESCRIBED, OR REASONABLY IMPLIED BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE CONTRACT DOCUMENTS, BUT NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE INTENT THEREOF.
- THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA PLUMBING CODE, 2022 CALIFORNIA BUILDING CODE, 2022 CALIFORNIA ENERGY CONSERVATION CODE AND ALL OTHER APPLICABLE CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION. IN THE EVENT OF CONFLICT BETWEEN SPECIFICATIONS, CODES, AND REGULATIONS, THE MORE RESTRICTIVE SHALL APPLY.
- COORDINATE ENTIRE INSTALLATION OF THE PLUMBING SYSTEM WITH THE WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS. REPORT ANY DISCREPANCIES, IN WRITING. TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT IN ACCORDANCE WITH THE SPECIFICATIONS. PROVIDE ONE YEAR WARRANTY ON ALL PARTS AND LABOR.
- THE DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW SCOPE. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO PROVIDE THE BEST ARRANGEMENT OF ALL DUCT, PIPE, CONDUIT, ETC
- ALL CUTTING AND PATCHING OF THE EXISTING STRUCTURE SHALL BE PROVIDED UNDER OTHER SECTIONS OF THE WORK. PROVIDE NECESSARY REQUIREMENTS TO THE PROJECT SUPERINTENDENT.
- ALL HOT WATER PIPING AND RE-CIRCULATION PIPING (EXCEPT RUNOUTS 12 FT. OR SHORTER TO INDIVIDUAL FIXTURES) SHALL BE INSULATED TO MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA ENERGY CONSERVATION CODE
- CONDENSATE DRAINS SHALL BE PROVIDED FOR EACH AIR CONDITIONING UNIT. HORIZONTAL CONDENSATE DRAINS ABOVE ANY CEILING SHALL BE INSULATED WITH MIN. 3/8" THICK CLOSED CELL INSULATION.
- 10. PIPING:
- A. WASTE, VENT, AND STORM DRAIN PIPING SHALL BE CO-EXTRUDED PVC SCHEDULE 40) PIPE
- B. WATER PIPE SHALL BE CPVC PIPE
- C. CONDENSATE PIPING SHALL BE CO-EXTRUDED PVC (SCHEDULE 40) PIPE
- D. INSIDE GAS PIPING SHALL BE BLACK IRON SCHEDULE 40 WITH MALLEABLE IRON FITTINGS. OUTSIDE SHALL BE GALVANIZED IRON SCHEDULE 40 WITH GALVANIZED FITTINGS. GAS LINE TO BE PAINTED GRAY IN COLOR. A 24 HOUR METERED GAS TEST SHALL BE REQUIRED.
- ALL PIPING NOT ENCLOSED IN CONDITION SPACE OR AT EXTERIOR WALLS SHALL BE INSULATED. PIPING: PVC SCHEDULE 40, SCHEDULE 80 AND CPVC PIPING WITH
- SOLVENT WELD FITTINGS SHALL BE USED WHERE PERMITTED BY CODE/LOCAL AUTHORITIES
- 11. ALL VENTS OR EXHAUSTS SHALL BE AT LEAST 10 FT. AWAY OR 3 FT. ABOVE ANY WINDOW, DOOR, OPENING, OR AIR INTAKE. 12. CLEANOUTS SHALL BE INSTALLED PER THE CALIFORNIA PLUMBING CODE.
- 13. PROVIDE WATER TIGHT FLASHINGS WHEREVER PIPES PASS THROUGH EXTERIOR WALLS, ROOFS, OR FLOORS.
- 14. PROVIDE ISOLATION FOR ALL PIPES THAT COME IN CONTACT WITH THE STRUCTURE.
- 15. LOCATION OF EXISTING UTILITIES AND POINTS OF CONNECTION ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICES PRIOR TO STARTING WORK OF THIS SECTION. IF INDICATED POINTS OF CONNECTION CANNOT BE MADE TO EXISTING UTILITIES AS FOUND. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO INSTALLING ANY WORK WHICH MAY BE AFFECTED.
- 16. VALVES SHALL BE NIBCO, JENKINS, HAMMOND, RED & WHITE OR APPROVED EQUAL. SERVICE PRESSURE SHALL BE SUITABLE FOR SERVICE INTENDED. THE MAIN WATER SHUT OF VALVE SHALL BE A FULL PORT BALL TYPE AND APPROVED FOR SERVICE INTENDED.
- 7. CONTRACTOR SHALL PROVIDE ALL SHUT OFF VALVES AS NECESSARY TO ISOLATE ANY EQUIPMENT, PLUMBING ITEMS, OR FIXTURES, THAT MAY NEED SERVICING OR ARE SUBJECT TO FAILURE WHETHER OR NOT SUCH VALVES ARE SHOWN ON THE DRAWINGS.
- 18. PROVIDE HANGERS AND SUPPORTS AS REQUIRED. PLUMBERS TAPE AND WIRE ARE NOT ACCEPTABLE.
- 19. CONTRACTOR IS RESPONSIBLE FOR HIS OWN TRENCHING, BACKFILL, AND COMPACTION OF TRENCHES NECESSARY TO COMPLETE HIS SCOPE OF WORK. BACKFILLED TRENCHES SHALL BE RETURNED TO THEIR ORIGINAL GRADE UNLESS NOTED OTHERWISE.
- 20. CONTRACTOR SHALL AFFIX A MAINTENANCE LABEL TO ALL EQUIPMENT REQUIRING ROUTINE MAINTENANCE AND SHALL PROVIDE MAINTENANCE AND OPERATIONAL MANUALS IN ACCORDANCE WITH THE SPECIFICATIONS.
- 21. ALL EQUIPMENT THAT REQUIRES KEYS OR SPECIAL TOOLS TO OPERATE SHALL SUPPLY THE OWNER WITH TWO OF ANY SUCH KEYS OR TOOLS FOR EACH PIECE OF EQUIPMENT THAT REQUIRE THE SAME.
- 25. ANY CHANGE OR DEVIATION FROM THESE PLANS OR SPECIFICATIONS SHALL REQUIRE THE APPROVAL, IN WRITING, OF THE ENGINEER PRIOR TO COMMENCEMENT OF SUCH WORK.
- 26. ALL PLUMBING, ELECTRICAL, AND GAS LINES SHALL BE CONCEALED WITHIN THE THE BUILDING STRUCTURE TO AS GREAT EXTENT AS POSSIBLE. ALL LINES NOT CONCEALED SHALL BE SECURED 6" OFF THE FLOOR AND 3/4" FROM THE WALLS USING STANDOFF BRACKETS
- 27. AN APPROVED BACKFLOW PREVENTOR SHALL BE PROPERLY INSTALLED UPSTREAM OF ANY POTENTIAL HAZARD BETWEEN THE POTABLE WATER SUPPLY AND SOURCE OF COMTAMINATION.
- 28. WATER SUPPLY CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR. THE RELIEF VALVE SHALL DRAIN IN-DIRECTLY TO A FLOOR SINK WITH A 1" MIN. AIR

PLUME	BING LEG	GEND
SYMBOL	ABBRV.	DESCRIPTION
	SS or W	NEW SEWER OR WASTE
	V	NEW VENT
	CW	NEW COLD WATER
	HW	NEW HOT WATER
	G	NEW GAS
	CD	NEW CONDENSATE DRAIN
CA	CA	COMPRESSED AIR
φ	FCO	FLOOR CLEANOUT
Ю	WCO	WALL CLEANOUT
O	FD	FLOOR DRAIN
X	FS	FLOOR SINK
<u> </u>	TP	TRAP PRIMER & TRAP PRIMER PIPING
\square	SOV	SHUT-OFF VALVE
N	CV	CHECK VALVE
	PRV	BACKFLOW PREVENTER W SOV'S
A	T&P	
———	DN	PIPÉ DOWN
o	UP	PIPE UP
•	POC	POINT OF CONNECTION
7	-	PLUMBING NOTE CALL-OUT
	ABV	ABOVE
	AFF	ABOVE FINISH FLOOR
	AP	ACCESS PANEL
	BEL	BELOW
	BLDG	BUILDING
	CLG	CEILING
	CONT	CONTINUATION
	EL	ELEVATION
	FIN	FINISH
	FL	FLOOR
	GR	GRADE
	NTS	NOT TO SCALE
	OC	ON CENTER
	S= %_	SLOPE AT A PERCENTAGE
	SHT	SHEET
	TYP	TYPICAL
	VTR	VENT THRU ROOF

PLUMBING / GENERAL NOTES

BATHTUBS AND WHIRLPOOL BATHTUBS. THE MAX. HOT WATER TEMPERATURE DISCHARGING SHALL BE LIMITED TO 120 DEGREES.

BATHTUBS WASTE OPENING IN FLOOR OVER CRAWL SPACES SHALL BE PROTECTED BY A METAL SCREEN NOT EXCEEDING 12" OR SOLID COVER.

SHOWERS AND TUB-SHOWERS COMBINATIONS IN ALL BUILDINGS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE, THERMOSTATIC, OR COMBINATION OF BOTH THAT PROVIDE SCALD AND THERMAL SHOCK PROTECTION. VALVES SHALL BE ADJUSTED TO DELIVER A MAXIMUM MIXED WATER

SETTING OF 120 DEGREES FAHRENHEIT. THE WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED A SUITABLE CONTROL FOR MEETING THIS PROVISION.

VERIFY AND WHERE WATER PRESSURE EXCEEDS 80 PSI AN APPROVED PRESSURE REGULATOR PRECEDED BY AN ADEQUATE STRAINER SHALL BE INSTALLED

1-INSTALL TEMPERATURE AND PRESSURE RELIEF VALVE WITH MINIMUM 34" DRAIN PIPE AND TERMINATE TO THE EXTERIOR OF THE BUILDING OVER WINDOW, DOOR OR VISIBLE LOCATION. DISCHARGE FROM A RELIEF VALVE INTO A WATER HEATER PAN SHALL BE PROHIBITED

2-PROVIDE (ON THE PLANS) A GAS PIPING DIAGRAM OF THE GAS PIPING SYSTEM THAT INCLUDES ALL PIPE SIZES, PIPE LENGTHS AND BTU RATINGS.

3-SUBMIT GAS LOAD CALCULATIONS IN ACCORDANCE WITH CPC TABLE 12-8 TO VERIFY THE PIPE SIZES ARE ADEQUATE FOR THE MAXIMUM DELIVERY CAPACITY OF CUBIC FEET OF GAS PER HOUR. 4- A WHOLE HOUSE HAS TEST IS REQUIRED UPON COMPLETION OF THE

INSTALLATION, ALTERATION, OR REPAIR OF ANY GAS PIPING. THE CITY SHALL BE NOTIFIED WHEN GAS PIPING IS READY FOR INSPECTION. 5- 2 GPM SHOWER FIXTURE, MAX.1.5 GPM BATHROOM FAUCET, MAX. 2 GPM KITCHEN FAUCET, AND MAX 1.28 WATER CLOSET TO CONFORM TO CITY GREEN REQUIREMENTS.

BATHROOMS: PROVIDE AN EXHAUST FAN (AT LEAST 50 CFM) DUCTED TO THE OUTSIDE (MINIMUM 4" DIAMETER FLEX DUCT WITH A MAXIMUM LENGTH OF 70") WITH A MINIMUM VENTILATION RATE OF 100 CFM, IDENTIFY THE REQUIREMENT FOR A BACKDRAFT DAMPER ON THE DUCT, AN ENERGY STAR COMPLIANT EXHAUST FAN THAT IS CONTROLLED BY A HUMIDITY SENSOR THAT IS CAPABLE OF BEING ADJUSTED BETWEEN ≤ 50-PERCENT TO 80-PERCENT HUMIDITY; AND A SEPARATE SWITCH FROM THE LIGHT UNLESS THE FAN IS ALLOWED TO OPERATE WITH THE LIGHT SWITCHED OFF.

6-NOTE THAT ALL PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE ROOF NOR LESS THAN 1' FROM ANY VERTICAL SURFACE. VENTS SHALL TERMINATE NOT LESS THAN 10" FROM OR 3' ABOVE ANY WINDOW, DOOR OPENING AIR INTAKE, OR VENT SHAFT NOR 3' FROM LOT LINE. IF WATER PRESSURE EXCEEDS 80 PSI, AND EXPANSION TANK AND AN APPROVED

PRESSURE REGULATOR SHALL BE INSTALLED. NON-REMOVABLE BACK FLOW PRE-VENTER OR BIBB-TYPE VACUUM BREAKER WILL BE INSTALLED ON ALL EXTERIOR HOSE BIBS. HOT WATER RE-CIRCULATING SYSTEM IS INSTALLED, THE ENTIRE LENGTH OF HOT WATER PIPES SHALL BE INSULATED.

1-Projects which disturb less than one acre of soil shall manage storm water drainage during construction by one of the following: A. Retention basins. B. Where storm water is conveyed to a public drainage system, water shall be filtered by use of a barrier system, wattle or other approved

2-Site grading or drainage system will manage all surface water flows to keep water from entering buildings (swales, water collection, French drains, etc.). CGC Section 4.106.3. Exception: Additions not altering the drainage path.

3-When a shower is provided with multiple shower heads, the sum of flow to all the heads shall not exceed 1.8 gpm @ 80 psi, or the shower shall be designed so that only one head is on at a time. CGC 4-Landscape irrigation water use shall have weather or soil based controllers. CGC Section 4.304.1. 5-The plans that a minimum of 65% of construction waste is to be recycled. CGC Section 4.408.1.

6-The contractor shall submit a Construction Waste Management Plan, per CGC Section 4.408.2. 7-The builder is to provide an operation manual (containing information for maintaining appliances, etc.) for the owner at the time of final inspection. CGC Section 4.410.1. 8-The gas fireplace(s) shall be a direct-vent sealed- combustion type. Woodstove or pellet stoves

must be US EPA Phase II rated appliances. CGC Section 4.503.1.

THE WATER SAVING PERFORMANCE STANDARDS FOR A PLUMBING FIXTURE ARE THOSE ESTABLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), CURRENT REVISION, OR THE FOLLOWING STANDARDS, WHICHEVER ARE THE MORE RESTRICTIVE 1-THE MAXIMUM FLOW FROM A SINK OR LAVATORY FAUCET OR A FAUCET AERATOR SHALL

WATER SAVING STANDARDS

NOT EXCEED 0.5 GALLONS OF WATER PER MINUTE AT A PRESSURE OF 60 POUNDS PER SQUARE INCH WHEN TESTED IN ACCORDANCE WITH ANSI TESTING PROCEDURES. 2- THE MAXIMUM VOLUME OF WATER PER FLUSH FROM A TOILET SHALL NOT EXCEED AN AVERAGE OF 1 28 GALLONS WHEN TESTED IN ACCORDANCE WITH ANSI TESTING

3- THE MAXIMUM VOLUME OF WATER PER FLUSH FROM A URINAL AND THE ASSOCIATED FLUSH VALVE, IF ANY, SHALL NOT EXCEED AN AVERAGE OF ONE GALLON WHEN TESTED IN ACCORDANCE WITH ANSI TESTING PROCEDURES

SPECIAL NOTICE TO CONTRACTORS

- ALL CONTRACTORS (GENERAL CONTRACTOR AND SUB-CONTRACTORS) BIDDING THIS PROJECT ARE REQUIRED TO VISIT THE JOB SITE AND VERIFY THE EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID. CONTRACTORS ARE TO CAREFULLY REVIEW ALL CONSTRUCTION DOCUMENTS AND NOTE ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE CONDITIONS OBSERVED AT THE JOB SITE PRIOR TO SUBMISSION OF ANY BID. THE BUILDING OWNER REPRESENTATIVE LISTED BELOW MAY BE CONTACTED FOR ACCESS TO THE JOB SITE.
- CONTRACTORS ARE RESPONSIBLE FOR VERIFYING THE LOCATION AND CONDITION OF ALL POINTS OF CONNECTION, LOCATION AND CONDITION OF ALL BUILDING (ROOF/FLOOR/CEILING) PENETRATIONS, LOCATION AND CONDITION OF ALL UTILITIES AND BUILDING SYSTEMS INCLUDING BUT NOT LIMITED TO, GAS, WATER, SEWER, VENT, ELECTRICAL, BUILDING MECHANICAL SYSTEMS, DUCT CONNECTIONS, EXHAUST/OUTSIDE AIR CONNECTIONS, SECURITY, FIRE ALARM, DATA, AND PHONE PRIOR TO SUBMISSION OF THEIR BID.
- . ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE CONDITIONS OBSERVED SHALL BE BROUGHT TO THE ATTENTION, IN WRITING, TO THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

PLUMBING LIST OF DRAWINGS (LoD).

SHEET TAG	TITLE	SCALE
P 0.00	PLUMBING GENERAL NOTES AND SPECIFICATIONS.	NTS
P 0.01	PLUMBING CODE CHECKING.	NTS
P 1.01	MAIN FLOOR - WATER SUPPLY LAYOUT.	3/8"=1'-0"
P 2.01	MAIN FLOOR - SEWER LAYOUT.	3/8"=1'-0"
P 3.01	HOT WATER SIZING AND DATA SHEETS	NTS
P 3.02 PLUMBING GENERAL DETAILS.		NTS

CLIENT:

ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

ALL DRAWINGS AND WRITTEN MATERIALS

APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE

DESIGNER AND THE SAME MAY NOT BE

DUPLICATED, USED OR DISCLOSED WITHOUT

CONSENT OF THE DESIGNER.

1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE. 2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND

SPECIFICATIONS. 3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING

4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

REV. NO.	DESCRIPTION	DATE	BY

Proposed Property Development **Element 7 Cannabis Retail**

PLUMBING GENERAL NOTES **AND SPECIFICATIONS**

SCALE @ 24X36: PROJ. NO. PROJ. ENGR. NTS DRAWING NO.

P 0 . 0 0

CALIFORNIA PLUMBING CODE CHECKING:

PIPE SUPPORTS:

TABLE 313.3 HANGERS AND SUPPORTS

MATERIALS	TYPES OF JOINTS	HORIZONTAL	VERTICAL			
Cast	Lead and Oakum	5 feet, except 10 feet where 10 foot length are installed ^{1, 2, 3}	Base and each floor, not to exceed 15 feet			
Casi	Compression Gasket	Every other joint, unless over 4 feet then support each joint ^{1, 2, 3}	Base and each floor, not to exceed 15 feet			
Cast-Iron Hubless	Shielded Coupling	Every other joint, unless over 4 feet then support each joint ^{1, 2, 3, 4}	Base and each floor, not to exceed 15 feet			
Copper & Copper Alloys	Soldered, Brazed, Threaded, or Mechanical	1 $\frac{N}{2}$ inches and smaller, 6 feet; 2 inches and larger, 10 feet	Each floor, not to exceed 10 feet ⁵			
Steel Pipe for Water or DWV	Threaded or Welded	¾ inch and smaller, 10 feet; 1 inch and smaller, 12 feet	Every floor, not to exceed 25 feet ⁵			
Steel Pipe for Gas	Threaded or Welded	$ \frac{1}{2} $ inch, 6 feet; $ \frac{3}{4} $ inch and 1 inch, 8 feet; 1 $ \frac{1}{4} $ inches and larger, 10 feet	$\frac{1}{2}$ inch, 6 feet; $\frac{1}{2}$ inch and 1 inch, 8 feet; 1 $\frac{1}{2}$ inches every floor level			
Schedule 40 PVC and ABS DWV	Solvent Cemented	All sizes, 4 feet; allow for expansion every 30 feet ³	Base and each floor; provide mid-story guides; provide for expansion every 30 feet			
CPVC	Solvent Cemented	1 inch and smaller, 3 feet; 1 $lpha$ inches and larger, 4 feet	Base and each floor; provide mid-story guides			
CPVC-AL-CPVC	Solvent Cemented	$\frac{1}{2}$ inch, 5 feet; $\frac{3}{4}$ inch, 65 inches; 1 inch, 6 feet	Base and each floor; provide mid-story guides			
Lead	Wiped or burned	Continuous Support	Not to exceed 4 feet			
Steel	Mechanical	In accordance with standards accepto	rtable to the Authority Having Jurisdiction			
PEX	Cold Expansion, Insert and Compression	1 inch and smaller, 32 inches; 1 $\not\!$	Base and each floor; provide mid-story guides			
PEX-AL-PEX	Metal Insert and Metal compression	½ inch } ¾ inch All sizes 98 inches 1 inch	Base and each floor; provide mid-story guides			
PE-AL-PE	Metal Insert and Metal compression	½ inch } ¾ inch All sizes 98 inches 1 inch	Base and each floor; provide mid-story guides			
PE-RT	Insert and Compression	1 inch and smaller, 32 inches; 1 N_4 inches and larger, 4 feet	Base and each floor; provide mid-story guides			
Polypropylene (PP)	Fusion weld (socket, but, sad- dle, electrofusion), threaded (metal threads only), or mechanical	1 inch and smaller, 32 inches; 1 1/4 inches and larger, 4 feet	Base and each floor; provide mid-story guides			

Support adjacent to joint, not to exceed 18 inches (457 mm)

² Brace not to exceed 40 foot (12 192 mm) intervals to prevent horizontal movement.

Vertical water lines shall be permitted to be supported in accordance with recognized engineering principles with regard to expansion and contraction, where first approved by the Authority Having Jurisdiction

DRAINAGE:

719.0 Cleanouts.

719.1 Locations. Cleanouts shall be placed inside the build ing near the connection between the building drain and the building sewer or installed outside the building at the lower end of the building drain and extended to grade.

Additional building sewer cleanouts shall be installed at intervals not to exceed 100 feet (30 480 mm) in straight runs and for each aggregate horizontal change in direction exceeding 135 degrees (2.36 rad)

719.2 No additional Cleanouts. Where a building sewer or a branch thereof does not exceed 10 feet (3048 mm) in length and is a straight-line projection from a building drain that is provided with a cleanout, no cleanout will be required at its point of connection to the building drain.

721.0 Location.

721.1 Building Sewer. Except as provided in Section 721.2, no building sewer shall be located in a lot other than the lot that is the site of the building or structure served by such sewer nor shall a building sewer be located at a point having less than the minimum distances referenced in Table 721.1.

706.0 Changes in Direction of Drainage Flow.

706.1 Approved Fittings. Changes in the direction of drainage piping shall be made by the approximate use of approved fittings and shall be of the angles presented by a one-sixteenth bend, one-eight bend, or one-sixth bend, or other approved fittings of equivalent sweep.

706.2 Horizontal to Vertical. Horizontal drainage lines, connecting with a vertical stack, shall enter through 45 degree (0.79 rad) wye branch, 60 degree (1.05 rad) wye branches, combination wye and one-eighth bend branches, sanitary tee or sanitary tapped tee branches, or other approved fittings of equivalent sweep.

706.4 Vertical to Horizontal. Vertical drainage lines con necting with horizontal drainage lines shall enter through 45 degree (0.79 rad) wye branches, combination wye and one-eighth bend branches, or other approved fittings of equiva- lent sweep. Branches, or other approved fittings of equiva- lent sweep. Branches or offsets of 60 degrees (1.05 rad) shall be permitted to be used where installed in a true vertical position.

707.4 Location. Each horizontal drainage pipe shall be provided with a cleanout at its upper terminal, and each run of piping, that s more than 100 feet (30 480 mm) in total developed length, shall be provided with a cleanout for each 100 feet (30 480 mm), or fraction thereof, in length of such piping. An additional cleanout shall be provided in a drainage line for each aggregate horizontal change in direction exceeding 135 degrees (2.36 rad). A cleanout shall be installed above the fixture connecting fitting, serving each urinal, regardless of the location of the urinal in the building.

(1) Cleanouts shall be permitted to be omitted on a horizontal drain line less than 5 feet (1524 mm) in length unless such line is serving sinks or urinals

707.5 Cleaning. Each cleanout shall be installed so that it opens to allow cleaning in the direction of flow of the soil or waste or at right angles thereto and, except in the case of wye branch and end-of-line cleanouts, shall be installed vertically above the flow line of the pipe.

708.0 Grade of Horizontal Drainage Piping.

708.1 General. Horizontal drainage piping shall be run in practical alignment and a uniform slope of not less than χ inch per foot (20.8 mm/m) or 2 percent toward the point of disposal provided that, where it is impractical due to the depth of the street sewer, to the structural features, or to the arrangement of a building or structure to obtain a slope of \aleph inch per foot (20.8 mm/m) or 2 percent, such pipe or piping 4 inches (100 mm) or larger in diameter shall be permitted to have a slope of not less than 1/8 inch per foot (10.4 mm/m) or 1 percent, where first approved by the Authority Having Jurisdiction.

TABLE 721.1 MINIMUM HORIZONTAL DISTANCE REQUIRED FROM BUILDING SEWER (feet)

Buildings or structures ¹	2
Property line adjoing private property	Clear ²
Water supply wells	50 ³
Streams	50
On-site domestic water service line	14
Public water main	10 ^{5, 6}

WATER CONVERSION & WATER CONSUMPTION:

	Plumbing fixtures and fittings shall comply with the following:
(202	22 CGBSC, California Plumbing Code (CPC) and Table 1401.1 of the CPC
4303.1.1	All Water closets: <1.28 gal/flush Tank type water closet shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.
4303.1.2	Urinals: <0.5 gal/flush
4303.1.3.1	Single showerheads: ≤1.8 gpm @ 80 psi
4303.1.3.2	Multiple showerheads: combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gpm @ 80 per or only one shower outlet is to be in operation at a time.
4303.1.4.1	Residential Lavatory Faucets: 0.8 gpm @ 20 psi < Flow Rate <1.2 gpm @ 6
4303.1.4.2	Lavatory Faucets in common and Public Use Areas (outside of dwellings or sleeping units) in residential buildings: <0.5 gpm @ 60 psi
4303.1.4.3	Metering Faucets: <u><</u> 0.25 gallons per cycle
4303.1.4.4	Kitchen Faucets: ≤1.8 gpm @ 60 psi; Maximum Flow Rate of 1.8 gpm

407.3 Limitation of Hot water Temperature for Public Lavatories.

Hot water delivered from public-use lavatories shall be limited to a maximum temperature of 120°F (49°C) by a device that complies with ASSE 1070/ASME A112.1070/CSA B125.70. The water heater thermostat shall not be considered a control for meeting this provision.

407.5 Waste Outlet. Lavatories shall have a waste outlet

and fixtures tailpiece not less than $1 \, \text{\%}$ inches (32 mm) in diameter.

409.4 Limitation of Hot Water in Bathtubs and

Whirlpool Bathtubs. The maximum hot water temperature discharging from the bathtub and whirlpool bathtub filler shall be limited to 120°F (49°C) by a device that complies with ASSE 1070/ASME A112.1070/CSA B125.70. The water heater thermostat shall not be considered a control for meeting this provision.

WATER HEATER:

501.1 Applicability.

The minimum capacity for storage water heaters shall be in accordance with the first-hour rating listed in Table 501.1(2).

Number of Bathrooms	1 to 1.5			2 to 2.5				3 to 3.5				
Number of Bedrooms	1	2	3	2	3	4	5	3	4	5	6	
First hour rating, ² Gallons	38	49	49	49	62	62	74	62	74	74	74	

For SI units: 1 gallon = 3.785 L.

- $^{ extsf{I}}$ The first-hour rating is found on the "Energy Guide" label.
- 2 Solar water heaters shall be sized to meet the appropriate first-hour rating as shown in the table.

504.0 Water Heater Requirements.

- **504.1 Location.** Water heater installations in bedrooms and
- bathrooms shall comply with one of the following [NFPA54:10.27.1]:
- (1) Fuel-burning water heaters shall be permitted to be installed in a closet located in the bedroom or bathroom provided the closet is equipped with a listed, gasketed door assembly and a listed self-closing device. The self- closing door assembly shall meet the requirements of Section 504.1.1. The door assembly shall meet the requirements of Section 504.1.2. Combustion air for such installations shall be obtained from the outdoors in accordance with Section 506.4. The closet shall be for the exclusive use of the water heater.
- (2) Water heater shall be of the direct vent type. [NFPA 54: 10.27.1(2)]

504.2 Vent. Water heaters of other than the direct-vent type shall be located as close as practical to the chimney or gas vent.

507.2 Seismic provisions. Water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one third (1/3) and lower one-third $(\frac{1}{2})$ of its vertical dimensions. At the lower point, a minimum distance of four (4) inches (102 mm) shall be maintained above the controls with the strapping.

507.4 Ground Support. A water heater supported from the earth shall rest on level concrete or other approved base extending not less than 3 inches (76 mm) above the adjoining ground level.

507.5 Drainage Pan. Where a water heater is located in an attic, in or on an attic ceiling assembly, floor-ceiling assembly, or floor-subfloor assembly where damage results from a leaking water heater, a watertight pan of corrosion-resistant materials shall be installed beneath the water heater with not less than $\frac{3}{4}$ of an inch (20 mm) diameter drain to an approved location. Such pan shall be not less than $1\frac{1}{4}$

507.13 Installation in Residential Garages. Appliances in residential garages and in adjacent spaces that open to the garage and are not part of the living space of a dwelling unit shall be installed so that all burners and burner-ignition devices are located not less than 18 inches (457 mm) above the floor unless listed as flammable vapor ignition resistant. [NFPA 54:9.1.10.1]

508.4.4 Lighting and Convenience Outlet. A permanent 120 V receptacle outlet and a lighting fixture shall be installed near the appliance. The switch controlling the lighting fixture shall be located at the entrance to the passageway. [NFPA 54:9.5.3]

508.2.1 Installation at roof: Clearance. Appliances shall be installed on a well-drained surface of the roof. At least 6 feet (1829 mm) of clearance shall be available between any part of the appliance, and the edge of a roof or similar hazard, or rigidly fixed rails, guards, parapets, or other building structures at least 42 inches (1067 mm) in height shall be provided on the exposed side. [NFPA 54:9.4.2.2]

VENT:

906.0 Vent Termination.

906.1 Roof Termination. Each vent pipe or stack shall extend through its flashing and shall terminate vertically not less than 6 inches (152 mm) above the roof nor less than 1 foot (305 mm) from a vertical surface. ABS and PVC piping exposed to sunlight shall be protected by water based synthetic latex paints.

906.2 Clearance. Each vent shall terminate not less than 10 feet (3048 mm) from, or not less than 3 feet (914 mm) above, an openable window, door, opening, air intake, or vent shaft, or not less than 3 feet (914 mm) in every direction from a hot line, alley and street excepted.

909.0 Special Venting for Island Fixtures.

909.1 General. Traps for island sinks and similar equipment shall be roughed in above the floor and shall be permitted to be vented by extending the vent as high as possible, but not less than the drainboard height and then returning it down-ward and connecting it to the horizontal sink drain immediately downstream from the vertical fixture drain. The return vent shall be connected to the horizontal drain through a wye-branch fitting and shall, in addition, be provided with a foot vent taken off the vertical fixture vent by means of a wye branch immediately below the floor and extending to the nearest partition and then through the roof to the open air, or shall be permitted to be connected to other vents at a point not less than 6 inches (152 mm) above the flood-level rim of

the fixtures served. Drainage fittings shall be used on the vent below the floor level, and a slope of not less than $\frac{1}{4}$ inch per foot (20.8 mm/m) back to the drain shall be maintained. The return bend used under the drainboard shall be a one-piece fitting or an assembly of a 45 degree (0.79 rad), a 90 degree (1.57 rad), and a 45 degree (0.79 rad) elbow in the order named. Pipe sizing shall be as elsewhere required in this code.

The island sink drain, upstream of the returned vent, shall serve no other fixtures. An accessible cleanout shall be installed in the vertical portion of the foot vent.

WATER SUPPLY:

TABLE 611.4 SIZING OF RESIDENTIAL WATER SOFTENERS⁴

REQUIRED SIZE OF SOFTENER CONNECTION (inches)	NUMBER OF BATHROOM GROUPS SERVED ¹
3/4	up to 2 ²
1	up to 4 ³

For Si units: 1 inch = 25 mm

- Installation of a kitchen sink and dishwasher, laundry tray, and automatic clothes washer permitted without additional size increase.
- ² An additional water closet and lavatory permitted.
- ³ Over four bathroom groups, the softener size shall be engineered for the specific installation. ⁴ See also Appendix A, Recommended Rules for Sizing the Water Supply Systems, and Appendix

A backflow preventer shall not be required to separate a stand-alone sprinkler syste from the water distribution system where the sprinkler system material is in accordance with the requirements of Section

C, Alternate Plumbing Systems, for alternate methods of sizing water supply systems.

606.1 General. Valves up to and including 2 inches (50 mm) in size shall be copper alloy or other approved material. Sizes exceeding 2 inches (50 mm) shall be permitted to have cast iron or copper alloy bodies. Each gate or ball valve shall be a fullway or full-port type with working parts of the non-corrosive material. Valves carrying water used in potable water systems intended to supply drinking water shall comply with the requirements of NSF 61 and ASME A112.4.14, ASME B16.34, ASTM F1970, ASTM F2389 AWWA C500, AWWA C504, AWWA C507, IAPMO Z1157, MSS SP-67, MSS SP- 70, MSS SP-71, MSS SP-72, MSS SP-78, MSS SP-80, MSS SP-110, MSS SP-122, or NSF 359.

608.4 Pressure Relief Valves. Each pressure relief valve shall be an approved automatic type with drain, and each such relief valve shall be set at a pressure of not more than 150 psi (1034 kPa). No shutoff valve shall be installed between the relief valve and the system.

FIRESTOP PROTECTION

1404.0 Combustible Piping Installations.

1404.2 Fire-Resistance Rating. Where penetrating a fire-resistance-rated wall, partition, floor, floor-ceiling assembly, roof-ceiling assembly, or shaft enclosure, the fire-resistance rating of the assembly shall be restored to its original rating.

1404.3 Firestop Systems. Penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E119, ASTM E814, UL 263, or UL 1479 with a positive pressure differential of not less than 0.01 of an inch of water (0.002 kPa). Systems shall have and F rating of not less than 1 hour but not less than the required fire-resistance rating of the assembly being penetrated. Systems protecting floor penetrations shall have a Trating of not less than 1 hour but not less than the required fire-resistance rating of the floor penetrations shall have a Trating of not less than 1 hour but not less than the required fire-resistance rating of the floor being penetrated. Floor penetrations contained within the cavity of a wall at the location of the floor penetration do not require a T rating. No T rating shall be required for floor penetrations by piping that is not in direct contact with combustible material.

1404.6 Sleeves. Where sleeves are used, the sleeves shall be securely fastened to the fire-resistance-rated assembly. The (inside) annular space between the sleeve and the fire-resistance-rated assembly shall be firestopped in accordance with this chapter.

1405.0 Noncombustible Piping Installations

1405.3 Firestop Systems. Penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E119, ASTM E814, UL 263, or UL 1479 with a positive pressure differential of not less than 0.01 of an inch of water (0.002 kPa). Systems shall have an Frating of not less than 1 hour but not less than the required fire-resistance rating of the assembly being penetrated. Systems protecting floor penetrations shall have a Trating of not less than 1 hour but not less than the required fire-resistance rating of the floor being penetrated. Floor penetrations contained within the cavity of a wall at a location of the floor penetration do not require a Trating. No Trating shall be required for floor penetrations by piping that is not in direct contact with combustible material.

1405.6 Sleeves. Where sleeves are used, the sleeves shall be securely fastened to the fire-resistance-rated assembly. The (inside) annular space between the sleeve and the penetrating item and the (outside) annular space between the sleeve and the fire-resistance-rated assembly shall be firestopped in accordance with this CLIENT:

ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

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4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

REV. NO.	DESCRIPTION	DATE	BY

Proposed Property Development

Element 7 Cannabis Retail

PLUMBING CODE CHECKING.

PROJ. NO. | PROJ. ENGR. SCALE @ 24X36: NTS DRAWING NO.

P 0 . 0 1

TABLE 703.2: MAXIMUM UNIT LOADING AND MAXIMUM LENGTH OF DRAINAGE AND VENT PIPING

SIZE OF PIPE (inches)	1 1/4	1 ½	2	3	4	5	6	8	10	12
Maximum Units Drainage Piping ¹ Vertical Horizontal	1 1	2 ² 1	16 ³ 8 ³	48 ⁴ 35 ⁴	256 216 ⁵	600 428 ⁵	1380 720 ⁵	3600 2640 ⁵	5600 4680 ⁵	8400 8200 ⁵
Maximum Length Drainage Piping Vertical Horizontal	45	65	85	212	300	390	510	750	-	-
Vent Piping Horizontal and Vertical ⁶ Maximum Units Maximum Lengths, (feet)	1 45	8 ³ 60	24 120	84 212	256 300	600 390	1380 510	3600 750	-	-

For SI units: 1 inch = 25 mm, 1 foot = 304.8 mm

¹ Excluding trap arm.

² Except for sinks, urinals, and dishwashers – exceeding 1 fixture unit.

³ Except for six-unit traps or water closets.

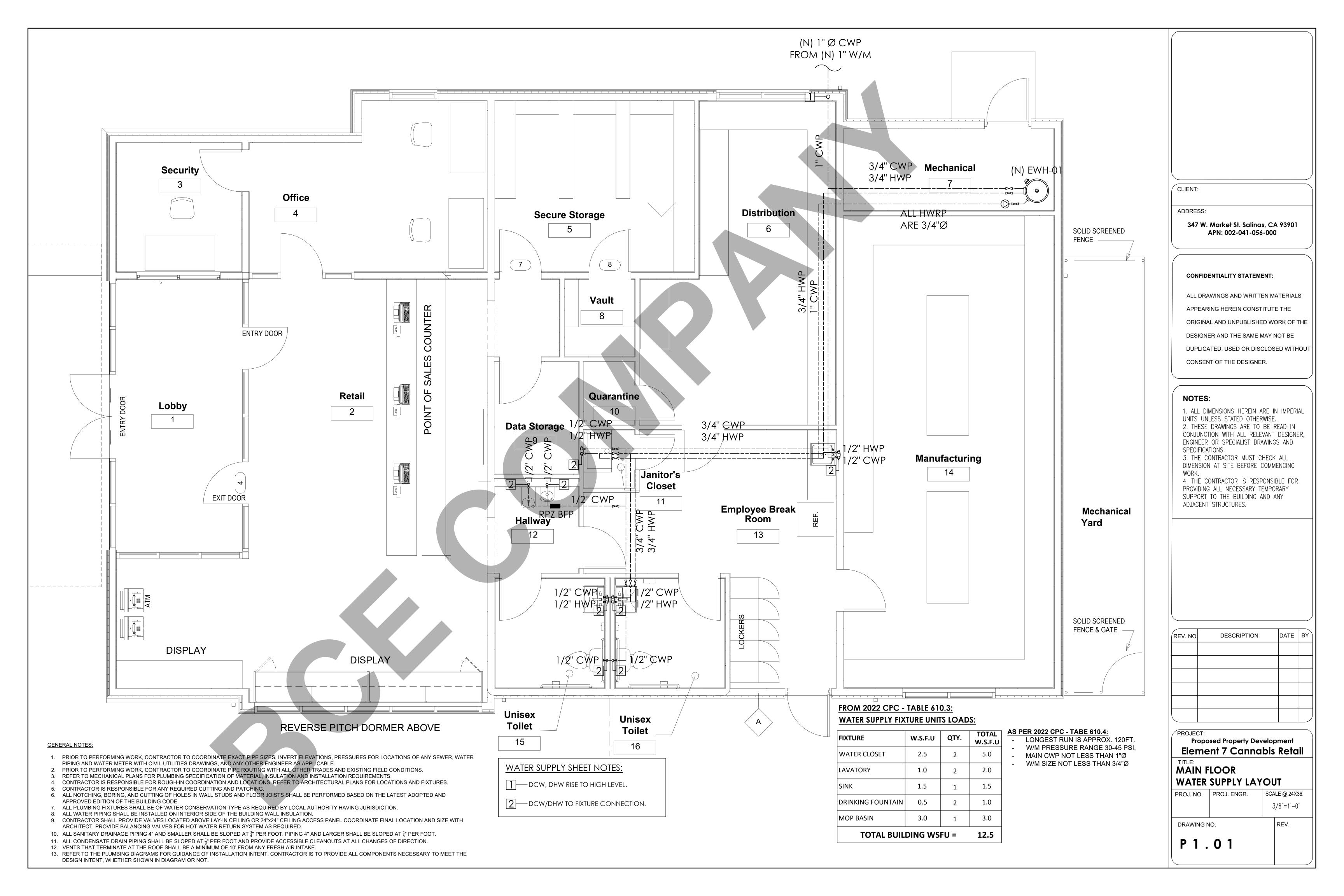
⁴ Only four water closets or six-unit traps allowed on a vertical pipe or stack, and not to exceed three water closets or six-unit traps on a horizontal branch or drain

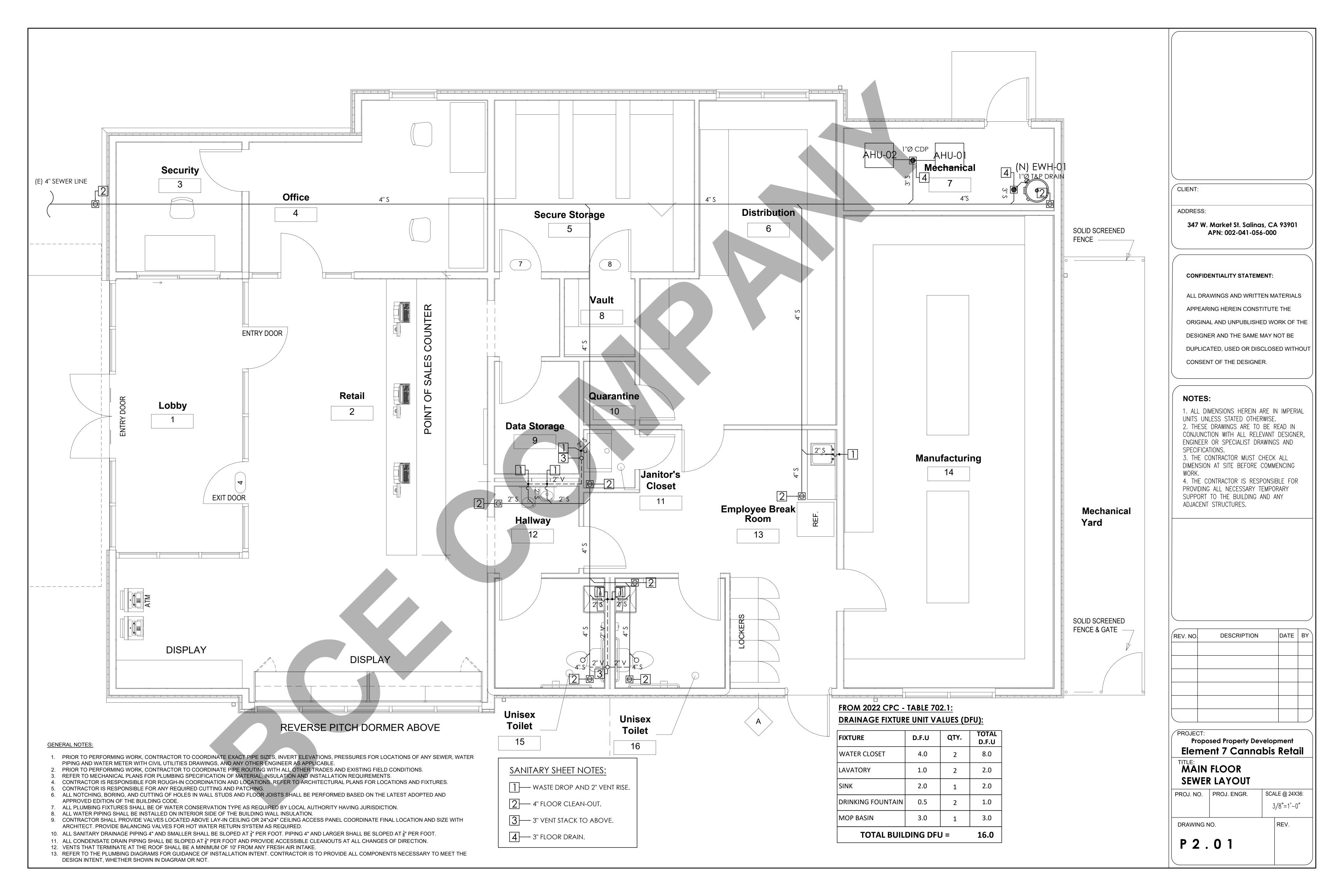
⁵ Based on $\frac{1}{2}$ inch per foot (20.8 mm/m) slope, For $\frac{1}{8}$ of an inch per foot (10.4 mm/m) slope, multiply horizontal fixture units by a factor of 0.8.

 6 The diameter of an individual vent shall be not less than 1 $\frac{1}{4}$ inches (32 mm) nor less than one-half the diameter of the drain to which it is connected. Fixture unit load values for drainage and vent piping shall be computed from Table 702.1 and Table 702.2(2). Not to exceed one third of the total permitted length

of a vent shall be permitted to be installed in a horizontal position. Where vents are increased one pipe size for their entire length, the maximum length lim-

itations specified in this table do not apply. This table is in accordance with the requirements of Section 901.3.







Pro-Size Selection Report

January 17, 2023

Project Information Prepared for: Project Name: Element 7 Salinas Location: Prepared by: Engineer:

Selected Product

Tank Capacity (ea): 0 USG

DEL-20S-3.5

Contractor:

Dura-Power Preferred® Light Duty Commercial Tank-Type

14 USGPH @ 100 °F Rise Heater Recovery: 1st Hour Delivery: 30 USGPH Model Number: DEL-20S-3.5 3 Hour Average: 20 USGPH Heater Storage (ea): 20 USG 3.5 kW Est. Storage Recovery: 83 min New External Tanks: 0

Total Usable Storage: 16 USG

 Field Convertible to 1 Phase Surface Mounted Thermostats 120/277 Volt Wired for Single Phase Tin Plated Copper Sheath Elements Meet or exceed the thermal efficiency and/or Dual Element Models Wired for 3 Phase standby loss requirements of the U.S. Department 208/240/480 of Energy and current edition of ASHRAE/IESNA

Application Loads

Summary

Peak Demand: 17 USGPH

separately if independent water heating equipment is to be used

Temperature Rise: 100 °F

Hot water loads for pools, hot tubs, or other uses should be considered separately. Restaurant or food service loads should be considered

Office Building **Building Use:** Not Specified Peak Demand Period: 1.00 Hours

Application Settings

Cold Water Temp: 40 °F Stored Water Temp: 140 °F Approx. Storage: 25%

water heaters or boilers that best meet the specific job requirements. It is the sole responsibility of the system designer to select the correct products needed for the specific application A. O. Smith reserves the right to make changes to Pro-Size without notice.

The A. O. Smith Pro-Size sizing program is a tool that can be used to estimate water heater requirements for many common applications. Pro-Size is intended to assist in selecting

Page 1 of 2

Dura-Power COMMERCIAL ELECTRIC WATER HEATERS **DEN & DEL MODELS**

Meets or exceeds the requirements of ASHRAE 90.1-1999

A.O. smith

DEN MODELS

A 213.0

Standard for energy efficiencies.

DEL MODELS

OTHER STANDARD FEATURES

Designed for use as a recovery heater having its own storage tank. Available in upright standard models (DEN) and lowboy models (DEL). **FEATURES** GLASS-LINED TANK - Thirteen sizes; 6 thru 119 gallon

A.O.SMITH

capacity. Tank interior is coated with glass specially See page C 029.0 for service wiring and fuse selection. developed by A. O. Smith Ceramic Research for water heater use. Tanks rated 150 psi working pressure; tested at 300 psi. Foam insulation provides maximum energy savings by minimizing radiant standby heat loss.

ELEMENTS - Zinc plated copper sheaths for longer life. Medium watt density; means lower surface temperature to minimize scale build-up and more surface to heat water. Element sizes from 1.5 to 6 KW. Maximum input 12 KW (see chart on back).

STANDARD VOLTAGES - 120, 277 single phase and 208, 240 and 480V unbalanced three-phase delta; easily converted to single-phase at terminal block (except 208V with 6000 watt elements). Single element heater, singlephase only.

TERMINAL BLOCK - Factory installed. Just bring the service to heater and connect to block. Terminal block not supplied on 120V & 277 volt models.

CONTROLS - Temperature control (adjustable through a range of 110° to 170°F on single element and 120° to 180°F on dual element) and manual reset high temperature cutoff per element (dual element models). Factory wired for nonsimultaneous operation; easily converted to simultaneous element operation (three phase models only). **OPTIONAL**

GOLDENROD ELEMENTS - All DEN & DEL models are available with the Goldenrod 24K gold plated elements (patent pending). Goldenrod elements provide long life and 6 times the scaling resistance of standard incoloy elements. Goldenrod elements carry a three-year warranty against failure due to lime scale build-up.

ELEMENT AVAILABILITY CHART

Input	120V	208V	240V	277V	480V
1,500	YES	YES	YES	YES	
2,000	YES	YES	YES	YES	YES
2,500	YES	YES	YES	YES	YES
3,000	YES	YES	YES	YES	YES
3,500			YES		
4,000		YES	YES	YES	YES
4,500		YES	YES	YES	YES
5,000		YES*	YES*	YES*	YES*
5,500			YES*		
6,000		YES**	YES	YES	YES
NOTE:	DEL-6 no	t available	in above 2	.5 KW.	

DEL-6 not available in 480V. * Not available in DEL-10. DEL-15 and DEN-30.

** A6 non-simultaneous circuit only.

Revised August 2004

• Simplified circuitry, color coded for ease of service • Anode rod for maximum corrosion protection • Cabinet has bonderized undercoat with baked enamel finish • Top inlet and outlet openings • Drain valve • UL approved field conversion program.

LIMITED WARRANTY OUTLINE

If the tank should leak any time during the first three

years, under the terms of the warranty, A. O. Smith

will furnish a replacement heater; installation, labor, handling and local delivery extra. THIS OUTLINE IS

NOT A WARRANTY. For complete information,

consult the written warranty or A. O. Smith Water Products Company.

A.O.Smith

Water Heaters Only (no external # Storage Tanks: storage) Fuel Type: Electric Location: Indoor Not Required UltrasLowNOx: Not Required ASME: Not Required # Heaters: Not Specified Altitude: Less than 2000 ft

Load Data

Additional Load:

Design Oversize:

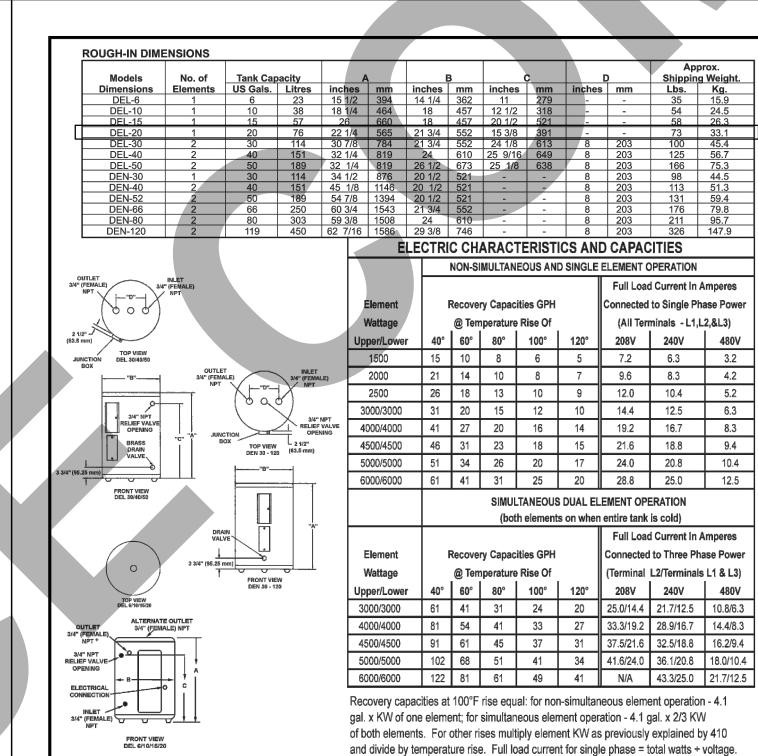
Shower Head Flowrate: 2.5 USGPM Number of Occupants: Number of Private Lavatories Number of Public Lavatories: Number of Kitchen Sinks: Number of Pantry Sinks: Number of Shower Heads: Number of Service Sinks: Number of Bradley Washfountains (Full): 0 Number of Bradley Washfountains (Half): 0 Laundry Model 1: Laundry Model 2:

0 USGPH

The A. O. Smith Pro-Size sizing program is a tool that can be used to estimate water heater requirements for many common applications. Pro-Size is intended to assist in selecting water heaters or boilers that best meet the specific job requirements. It is the sole responsibility of the system designer to select the correct products needed for the specific application. A. O. Smith reserves the right to make changes to Pro-Size without notice.

Page 2 of 2

January 17, 2023



SUGGESTED SPECIFICATIONS

as manufactured by A. O. SMITH or an approved equal. The water heater(s) shall be Dura-Power Model(s) No. Heater(s) shall be rated at _____ KW, ____ volts, ____ phase, 60 cycle AC, and listed by Underwriters' Laboratories. Tank(s) shall gallon capacity. Heater(s) shall have 150 psi working pressure and be equipped with extruded high density anode rod. All internal surfaces of the heater(s) exposed to water shall be glass-lined with an alkaline borosilicate composition that has been fused to steel by firing at a temperature range of 1600°F. Electric heating elements shall be medium watt density with zinc plated copper sheath. Each element shall be controlled by an individually mounted thermostat and high temperature cutoff switch. The outer jacket shall be of baked enamel finish and shall be provided with full size control compartment for performance of service and maintenance through hinged front panels and shall enclose the tank with foam insulation. Electrical junction box with heavy duty terminal block shall be provided (except on 120V & 277V [no junction box on DEL-6 thru 20]). The drain valve shall be located in the front for ease of servicing. Heater tank

shall have a three year limited warranty as outlined in the written warranty. Fully illustrated instruction manual to be included.

A.O. Smith Water Products Co., Inc. On Line www.aosmithwaterheaters.com For Technical Information and Automated Fax Service,

Phone: 800-527-1953

A. O. Smith Water Products Company Ashland City, TN A Division of A. O. Smith Corporation A. O. Smith Corporation reserves the right to make product changes

or improvements at any time without notice.

© A. O. Smith Corp., 2004 A 214.0

SCHEDULE No. 1 **ELECTRIC WATER HEATER SCHEDULE**

TAG	(N) EWH-01
LOCATION	MECHANICAL
MANUFACTURER	A.O.SMITH
MODEL	DEL-20S-3.5
TYPE	ELECTRIC
CAPACITY (GALLONS)	20
INPUT kW	3.5
APPROX. WEIGHT (lbs)	73
WIDTH x DEPTH (in.)	21-3/4"
HEIGHT (in)	22-1/4"
WATER CONNECTION SIZE	3/4"
RE-CIRCULATION PUMP	120/1/60 - 350 watts

CLIENT:

ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

ALL DRAWINGS AND WRITTEN MATERIALS

APPEARING HEREIN CONSTITUTE THE

ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER AND THE SAME MAY NOT BE

DUPLICATED, USED OR DISCLOSED WITHOUT

CONSENT OF THE DESIGNER.

NOTES:

1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE. 2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS.

3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING

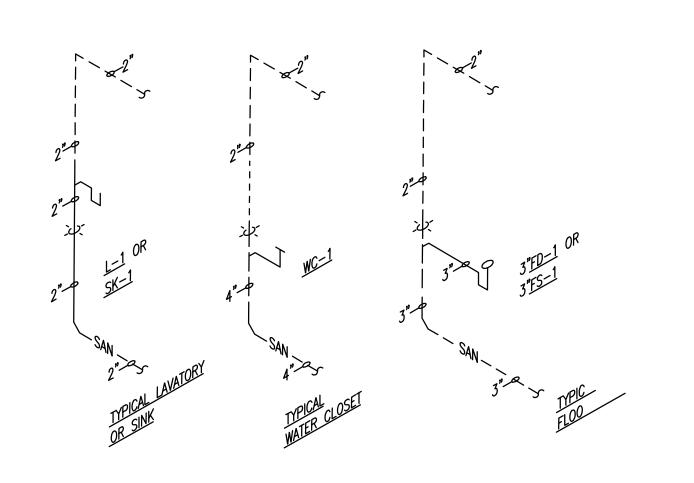
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

Proposed Property Development Element 7 Cannabis Retail

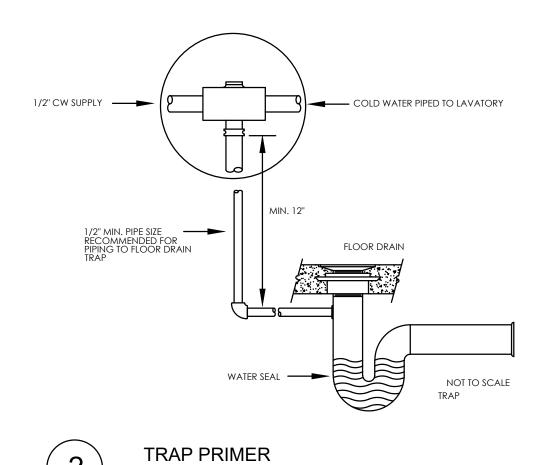
WATER SIZING AND DATA SHEETS.

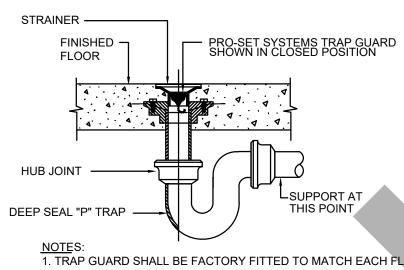
PROJ. NO. PROJ. ENGR. SCALE @ 24X36: NTS DRAWING NO.

P3.01



TYPICAL WASTE AND VENT RISERS

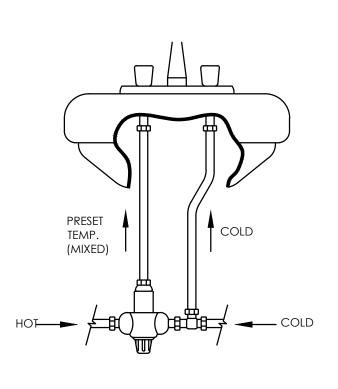


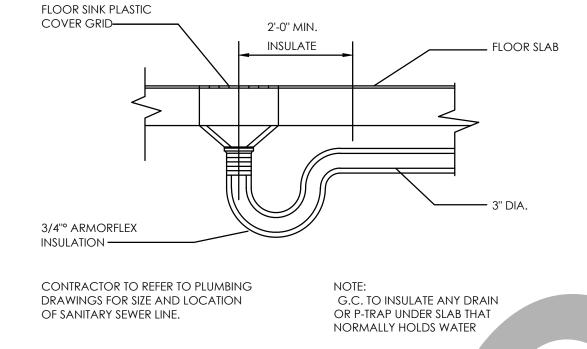


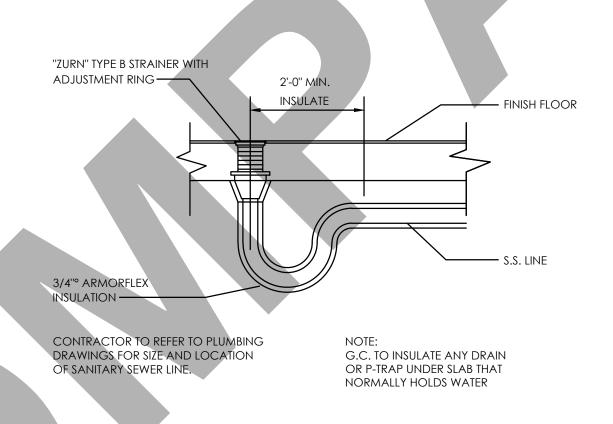
NOTES:

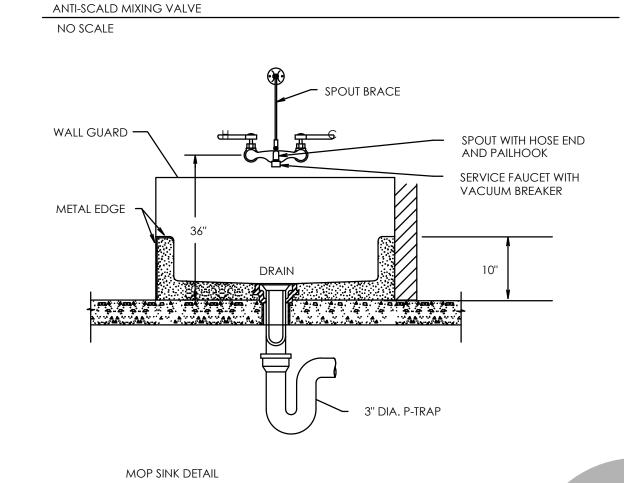
1. TRAP GUARD SHALL BE FACTORY FITTED TO MATCH EACH FLOOR DRAIN (AND FLOOR SINK) BY SIZE, MODEL, AND MANUFACTURER. FLOOR SINK/HUB DRAIN TRAP GUARD INSTALLATION IS SIMILAR.
 INSTALLATION OF TRAP GUARD TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. 4. INSERT TRAP GUARD ONLY AFTER FINAL RODDING OF DRAINS. INSTALL TRAP GUARD WITH CLEAR SILICONE CAULK FOR GAS TITE SEAL. FOR DRAIN RODDING AFTER INSTALLATION, INSERT SEWER TAPE THROUGH LIGHTLY GREASED 1-1/2" PVC PIPE TO PROTECT TRAP GUARD.

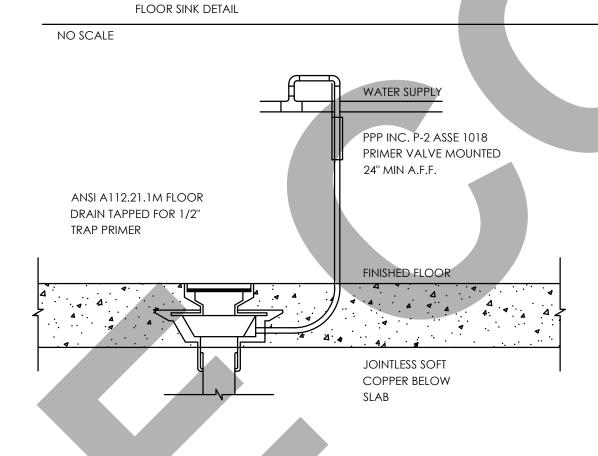
FLOOR DRAIN WITH TRAP SEAL PROTECTION





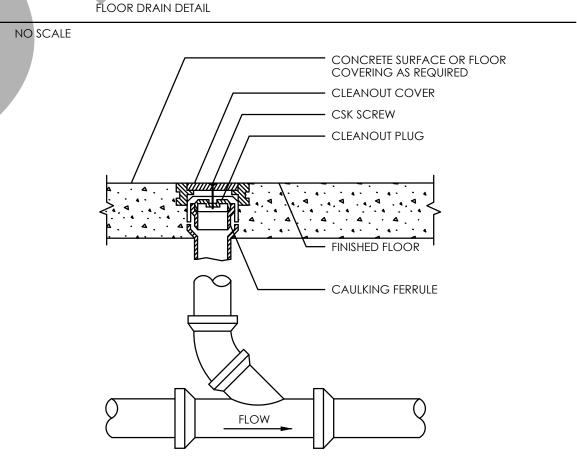


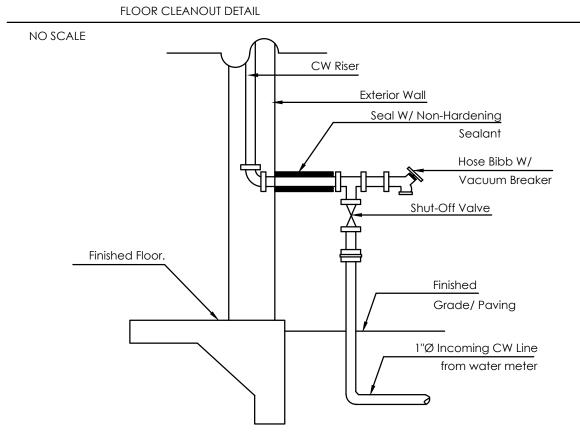


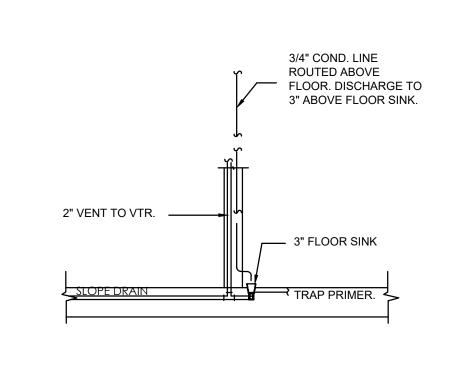


TRAP PRIMER DETAIL

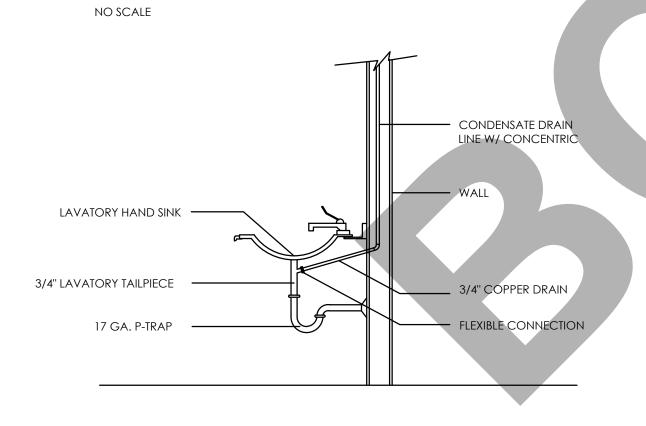
NO SCALE







	COND. ON FLOOR SINK DETA
NO SCALE	



VENT THRU ROOF DETAIL CONDENSATE DETAIL **NO SCALE** NO SCALE

UNIFORM MATERIAL

- SOLDER LAP SEAM

FINISH ROOF

- VENT PIPE SIZES PER PLANS

- COUNTER FLASHING BY

— ROOF CONSTRUCTION RE: STRUCTURAL & STRUCT.

PLUMBING CONTRACTOR

WEIGHT

WATER ENTRY DETAIL NO SCALE

CLIENT:

ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

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4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

REV. NO.	DESCRIPTION	DATE	E

PROJECT:

Proposed Property Development Element 7 Cannabis Retail

PLUMBING GENERAL DETAILS.

PROJ. NO. PROJ. ENGR. SCALE @ 24X36: NTS REV. DRAWING NO.

P4.01

STATE OF CALIFORNIA	STATE OF CALIFORNIA	STATE OF CALIFORNIA	STATE OF CALIFORNIA
Electrical Power Distribution CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ELC-E	Electrical Power Distribution CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ELC-E	Electrical Power Distribution CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ELC-E	Electrical Power Distribution CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ELC-E
This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented	Project Name: Element 7 Cannabis Retail Report Page: (Page 2 of 5) Project Address: 347 W. Market Date Prepared: 3/23/2023	Project Name: Element 7 Cannabis Retail Report Page: (Page 3 of 5) Project Address: 347 W. Market Date Prepared: 3/23/2023	Project Name: Element 7 Cannabis Retail Report Page: (Page 4 of 5) Project Address: 347 W. Market Date Prepared: 3/23/2023
Project Name: Element 7 Cannabis Retail Report Page: (Page 1 of 5)			
Project Address: 347 W. Market Date Prepared: 3/23/2023 A. GENERAL INFORMATION	C. COMPLIANCE RESULTS Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer	G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the complete replacement electrical power distribution systems.	I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(d)/ 160.6(d) Both controlled and uncontrolled
01 Project Location (city) St. Salinas 02 Climate Zone 3 O3 Occupancy Types Within Project All Other Occupancies Data	to Table D. Exceptional Conditions for guidance or see applicable Table referenced below. 01 02 03 04 05 06 Service Electrical Separation for Controlled	in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown. 01 02 03 04 05	receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms. 01 02 03 04 05 06 07 Description
B. PROJECT SCOPE Occupancy Types Within Project: CenterOfficeRetailWarehouse	Metering 130.5(a)/ 160.6(b) AND Monitoring 130.5(b)/ 160.6(b) AND Monitoring 130.5(b)/ 160.6(c) 130.5(c)/ 160.6(c) 130.5(d)/ 160.6(d) Receptacles 130.5(d)/ 160.6(d) See Table J) Compliance Results	Load Type per Table 130.5-B ¹ Minimum Required Separation of Load per Table 130.5-B Compliance Method ² Location of Requirements in Construction Documents Pass Fail	Room name or Description Receptacles Shut-Off Controls Shut-Off Controls Controls Controls Demand Responsive Controls Shut-Off Controls Controls Shut-Off Controls Construction Documents Pass Fail
This table includes electrical systems that are within the scope of the permit application. 01 02 03 04 05 06 07	(See Table F) (See Table G) (See Table II) (See Table II) Yes AND Yes AND Yes AND Yes Yes COMPLIES	Main * NOTES: If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.	* NOTES: If "Other*" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below. 1 FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines,
Utility Provided Subject to CA Provides power to dualling	D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type. Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.	A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are excepted from the requirements
Description Descr	E. ADDITIONAL REMARKS	Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type. Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring. Method 4: Complete metering system measures and reports loads by type. See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.	J. ELECTRIC READY BUILDINGS This section does not apply to this project.
160.6(a) ³ 130.5(a)and (b) occupancy	This table includes remarks made by the permit applicant to the Authority Having Jurisdiction. F. SERVICE ELECTRICAL METERING	H. VOLTAGE DROP	K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables	This table includes new or replacement electrical service systems OR equipment to demonstrate compliance with 130.5(a) / 160.6(a). For multifamily occupancies, submetered systems that provide power to common use areas must meet the following metering requirements. Submetered systems providing power to dwelling units do not.	This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Piii/180.2(b)4Bviic.	NRCI-ELC-E - Must be submitted for all buildings
Main service equipment and meter	01 02 03 04 05 Required Metering Capabilities per Table 130.5-A Field Inspector	01 02 03 04 05 Electrical Service Combined Voltage Drop on Installed Feeder/Branch Location of Voltage Drop Calculations in Construction	
Compliance documents will indicate when demand response controls are required.	Electrical Service Designation/ Description Rating¹ (kVA) Instantaneous Demand (kW) Demand (kW) Ristorical Peak Demand (kW) Ris	Designation/Description Circuit Conductors Compliance Method Calculations Calculations Calculations Pass Fail Voltage drop less than Code (Exception to Code (Exception to Code) Attached	
¹ FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required. ² If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas. ³ Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.	Main 50 🗵 🗆 🖂 🗆	Main Code (Exception to 130.5(c))* *NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.	
		¹ FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".	
Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID:	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID:	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID:	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID:
CA Building Energy Emiciency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: Schema Version: rev 20220101 EnergyPro-50207-0323-0131 Report Generated: 2023-03-23.07:19:28	CA Building Energy Emiciency Standards - 2022 Nonresidential Compilance Report Version: 2022.0.000 Compilance ID: Schema Version: rev 20220101 EnergyPro-50207-0323-0131 Report Generated: 2023-03-23 07:19:28	CA Building Energy Efficiency Standards - 2022 Nonresidential Compiliance ID: Schema Version: rev 20220101 EnergyPro-50207-0323-0131 Report Generated: 2023-03-23 07:19:28	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: Schema Version: rev 20220101 EnergyPro-50207-0323-0131 Report Generated: 2023-03-23 07:19:28
STATE OF CALIFORNIA Electrical Power Distribution CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Envelope Component Approach CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Envelope Component Approach CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Envelope Component Approach CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 5 of 5)	CERTIFICATE OF COMPLIANCE NRCC-ENV-E This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 2 of 14)	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 3 of 14)
Project Address: 347 W. Market Date Prepared: 3/23/2023	mixed-use buildings, and 141.0(b)1/180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/170.2 for newly constructed buildings, and 141.0/180.1/180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements. Project Name: [Page 1 of 14]	Project Address: 347 W. Market Date Prepared: 3/23/2023	Project Address: 347 W. Market Date Prepared: 3/23/2023
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete.	Project Address: Element / Cannabis Retail Report Page: (Page 1 of 14) Project Address: 347 W. Market Date Prepared: 3/23/2023	B. PROJECT SCOPE Is CONTACT. Door at the progress that a 25% plant is one are considered Closed Doors and thould be downwarded on table Knith for extraction	F. ROOF ASSEMBLY SCHEDULE Framed Roof Assemblies
Documentation Author Name: Mohamad Nohayli Documentation Author Signature: Mohamad Nohayli	A. GENERAL INFORMATION 01 Project Location (city) St. Salinas 05 # of Stories (Habitable Above Grade) 1	¹ FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration. ² Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.	Tag/Plan Detail ID Name/Description Status Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only) Occupancy Type
Company: InnoDez, Inc. Address: 726 Foxbrough CEA/ HERS Certification Identification (if applicable):	02 Zipcode 93901 06 Total Conditioned Floor Area (ft²) 2648 03 Climate Zone 3 07 Total Unconditioned Floor Area (ft²) 0	C. COMPLIANCE RESULTS	R-38 Roof No Attic Roof New Relocated to I Roof New Relocated to I Roof No Attic Roof New Norresidential/
City/State/Zip: Pleasanton CA 94566 Phone: RESPONSIBLE PERSON'S DECLARATION STATEMENT	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building	Results in this table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable table referenced below.	R-38 Roof No Attic Roof New Relocatable 1 CZ Nonresidential/ Relocatable 1 CZ
Certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)	envelope may be designed to comply with the provisions of that occupancy per 100.0(f).	Opaque Envelope Components Roof Assembly Roofing Materials Walls Floors Doors Fenestration Daylighting Spaces > 5,000ft ² Compliance Results	R-38 Roof No Attic Roof New New Nonresidential/Relocatable 1 CZ
 The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, 	◆ Data Center ◆ Office ◆ Retail ◆ Warehouse ◆ All Other Occupancies 1 FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.	01 02 03 04 05 06 07 08 (See Table F) (See Table G) (See Table H) (See Table I) (See Table K) (See Table L) COMPLIES	R-38 Roof No Attic Roof New Nonresidential/Relocatable 1 CZ
plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Designer Name: Responsible Designer Name:		Yes Yes Yes Yes	R-38 Roof No Attic Roof New Nonresidential/Relocatable 1 CZ R-38 Roof No Attic Roof New Nonresidential/
Syed P. Alam Syed Alam Company: Date Signed:	B. PROJECT SCOPE This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/170.2 and 141.0(a)1/180.1 and 141.0(b)1 and 2/180.2 for additions and alterations.	D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	Relocatable 1 CZ R-38 Roof No Attic Roof New Nonresidential/
Innodez Inc. 2023-03-23	My project consists of (check all that apply) Component Types 01	E. ADDITIONAL REMARKS	R-38 Roof No Attic Roof New Relocatable 1 CZ Nonresidential/ Relocatable 1 CZ
City/State/Zip: Pleasanton CA 94566	✓ New Construction or Newly Conditioned Space ✓ Roof ✓ Walls ✓ Exterior Opaque Doors ✓ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft ✓ Roof ✓ Floors ✓ Fenestration/ Glazed Doors¹	This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	R-38 Roof No Attic Roof New New Nonresidential/Relocatable 1 CZ
	□ Addition of conditioned space □ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft □ Page 1	F. ROOF ASSEMBLY SCHEDULE This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/170.2(a)1B for new construction, 141.0(a)/180.1 for additions, or 141.0(b)2Biii/180.2 for alterations.	R-38 Roof No Attic Roof New Nonresidential/Relocatable 1 CZ Nonresidential/Nonre
	□ Addition is <=700 ft² □ Addition is >700 ft² □ Addition is >700 ft²	01 Indicate roof types included in the project: Framed	R-38 Roof No Attic Roof New Relocatable 1 CZ R-38 Roof No Attic Roof New Nonresidential/
	Alteration of conditioned space Roof Assembly Walls Exterior Opaque Doors NA. for Alts. One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft Roofing Floors Fenestration	Framed Roof Assemblies 01	Relocatable 1 CZ
Registration Number: Generated Date/Time: Documentation Software: EnergyPro	Registration Number: Generated Date/Time: Documentation Software: EnergyPro	02 03 04 05 06 Registration Number: Generated Date/Time: Documentation Software: EnergyPro	Registration Number: Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: Schema Version: rev 20220101 EnergyPro-50207-0323-0131	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29
Renort Generated: 2023-03-23 07:19:28			
STATE OF CALIFORNIA Envelope Component Approach CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Envelope Component Approach CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Envelope Component Approach CALIFORNIA ENERGY COMMISSION	Envelope Component Approach CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 4 of 14) Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 6 of 14) Project Address: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 7 of 14) Project Address: 347 W. Market Date Prepared: 3/23/2023
3/23/2023	3)23/2023	5)25)2025	
F. ROOF ASSEMBLY SCHEDULE 07 08 09 10 11 12 13 14 15 16	F. ROOF ASSEMBLY SCHEDULE 07 08 09 10 11 12 13 14 15 16	F. ROOF ASSEMBLY SCHEDULE Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs	H. WALL ASSEMBLY SCHEDULE 03 04 05 06 07 08 09 10 11 12 13
Tag/Plan Detail ID How Design U-factor was determined U-factor was determined ID U-factor was determined How Design U-factor was determined ID Net Area ID Design ID D	Tag/Plan Detail ID How Design U-factor was determined location between the properties of the propertie	Framed 2648 0.034 0.028 Total for all Roof Types: 2648 0.034 0.028 COMPLIES	Tag/Plan Detail ID Occupancy & Status
Roof JA4 Tables Wood 38 0 U-factor 0.034 per Software/ 605	Roof JA4 Tables Wood 38 0 U-factor 0.034 per JA4	G. RATED ROOFING MATERIAL (COOL ROOF) This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2	Nonresidential/ West Walls Releastable 1 IA4 Tables Remising wall Wood 1/2" gyp 16" 19 0 III factor 0.11 per 142
Other 0.028 per JA4	Other 0.028 per JA4	Inis table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1.47 170.2(a)1.47 for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)28/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.	West walls Relocatable 1 CZ: New OC 2x6 19 0 0-lactor 0.11 Software/ Other 0.074
Roof JA4 Tables Wood 38 0 U-factor 0.034 per Software	Roof JA4 Tables Wood 38 0 U-factor 0.034 per Software/Other 0.028 124	01 02 03 04 05 06 07 08 09 10 Tag/Plan Name/ Description/ Status Occupancy Type Roof Roof Material Compliance Method Required Minimum Designed Material R-value of	South Walls Nonresidential/ Relocatable 1 A4 Tables Demising wall OC 2x6 Demising wall OC 2x6 Demising wall OC 2x6 Per JA4 Demising wall OC 2x6 Per JA4 Demising wall OC 2x6 Demising wall OC 2x6 Per JA4 Demising wall OC
Roof JA4 Tables Wood 38 0 U-factor 0.034	Roof JA4 Tables Wood 38 0 U-factor 0.034 per Software/ Other 0.028 48	Detail ID Location Slope Material Performance Performance Assembly Aged solar Reflectance 0.63 Reflectance 0.63	C2: New Other Nonresidential/
Roof JA4 Tables Wood 38 0 U-factor 0.034 per JA4 per Software/ 0.028 175	Roof JA4 Tables Wood 38 0 U-factor 0.034 per JA4 per Software 0.028 54	R-38 Roof No Attic Roof New Nonresidential Low slope To Be Determined thermal emittance SRI SRI Emittance 0.85	East Walls Relocatable 1 CZ: New JA4 Tables Demising wall CZ: New
Note	Roof IA4 Tables Wood 38 0 U-factor 0.034 per Software/ 62	H. WALL ASSEMBLY SCHEDULE This table demonstrates compliance with processitive wall accomply requirements in 140 2/a1/170 3/a) for pay constructions 141 0/a1/190 1 for additions and 141 0/b18/190 2 for	Nonresidential/ South Walls Relocatable 1 JA4 Tables Demising wall Wood 1/2" gyp 16" 19 0 U-factor 0.11 per 197
Other 0.028 per JA4	¹ FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other	This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a)/ 170.2(a) for new constructions, 141.0(a)/ 180.1 for additions and 141.0(b)1B/ 180.2 for alterations. Concrete Sandwich Panel (new only) Concrete Sandwich Panel (new only) ISIPS ICF (new only)	CZ: New OC 2x6 Software/ 0.074 Other
Roof JA4 Tables Wood 38 0 U-factor 0.034 per Software/ 0.028 90 Other	roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C. ² For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck. ³ If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.	1 Indicate wall types included in the project: □ Metal Panels □ Metal Building □ Spandrel/ Curtain Wall □ Straw Bale □ Log Home (new only) 1 FOOTNOTES: Wall types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be	North Walls North Walls Relocatable 1 CZ: New
Roof JA4 Tables Wood 38 0 U-factor 0.034 per JA4 per Software 0.028 175 Other 0.028 175	³ If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C. ⁴ Roof area minus any fenestration/ skylight area	clicked above and compliance demonstrated within this table. Framed Walls	Nonresidential/ Nonresidential/ World 1/3 = = 3 Cl
Roof JA4 Tables Wood 38 0 U-factor 0.034 per JA4 per Software/ 0.038 87	Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs 01 02 03 04 05	01 □ Calculate Area-Weighted Average U-factor for Metal Framed Walls¹ 02 □ Include Wood Framed Walls in Area-Weighted Average U-factor Calculation¹	North Walls Relocatable 1 CZ: New JA4 Tables Demising wall CZ: New Demising wall CZ: New Demising wall CZ: New Demising wall Demising wall Nood 1/2" gyp 16" 19 0 U-factor 0.11 per Software/ Other 0.074 Other
Other 0.028	Roof Type Total Area of Roof Type (ft²) Area-weighted U-factor for Roof Type Compliance Results Using Area-Weighted Required Designed Calculation Option		
Registration Number: Generated Date/Time: Documentation Software: EnergyPro	Registration Number: Generated Date/Time: Documentation Software: EnergyPro	Registration Number: Generated Date/Time: Documentation Software: EnergyPro	Registration Number: Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29
		1	

CLIENT:

ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

ALL DRAWINGS AND WRITTEN MATERIALS

APPEARING HEREIN CONSTITUTE THE

ORIGINAL AND UNPUBLISHED WORK OF THE

DESIGNER AND THE SAME MAY NOT BE

DUPLICATED, USED OR DISCLOSED WITHOUT

CONSENT OF THE DESIGNER.

NOTES:

1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE.
2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS.
3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

REV. NO.	DESCRIPTION	DATE	BY

Proposed Property Development Element 7 Cannabis Retail TITLE:

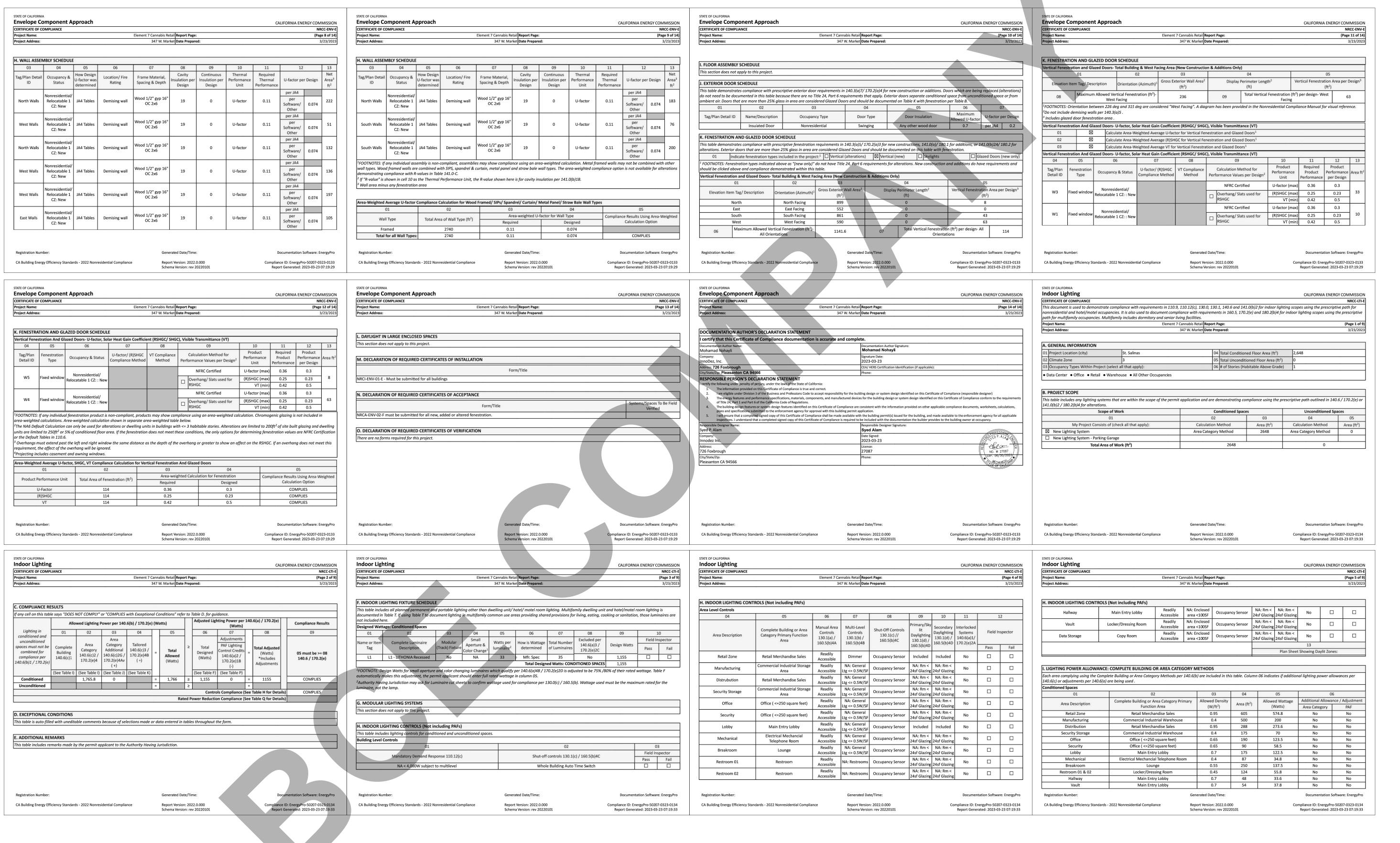
T24-01

PROJ. NO. PROJ. ENGR. SCALE @ 24X36:

NTS

DRAWING NO. REV.

T 2 4 - 0 1



CLIENT: ADDRESS:

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER AND THE SAME MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT CONSENT OF THE DESIGNER.

1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE. 2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS. 3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING WORK. 4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

DESCRIPTION DATE BY REV. NO.

Proposed Property Development Element 7 Cannabis Retail

T24-02

PROJ. NO. | PROJ. ENGR. SCALE @ 24X36: NTS DRAWING NO.

T 2 4 - 0 2

STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-E	STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE	
CERTIFICATE OF COMPLIANCE NRCC-LTI-E Project Name: Element 7 Cannabis Retail Report Page: (Page 6 of 9) Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 7 of 9) Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Project Address: 8 Element 7 Cannabis Retail Report Page: Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 9 of 9) Project Address: 347 W. Market Date Prepared: 3/23/2023	
I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS Data Storage Copy Room 0.7 62 43.4 No No	Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS	V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete.	
TOTALS: 2,648 1,765.8 See Tables J, or P for detail	This section does not apply to this project. R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS	Form/Title Systems/Spaces To Be Field Verified NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls. Whole Building Time Switch;	Documentation Author Name: Mohamad Nohayli Company: Documentation Author Signature: Mohamad Nohayli Signature Date:	
J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM This section does not apply to this project.	R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS This section does not apply to this project.	Retail Zone; Manufacturing; Distrubution; Security Storage; Office; Security; Lobby; Mechanical;	InnoDez, Inc. 2023-03-23 Address: 726 Foxbrough CEA/ HERS Certification (if applicable): City/State/Zip: Pleasanton CA 94566 Phone:	CLIENT:
K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE This section does not apply to this project.	S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) This section does not apply to this project.	Breakroom; Restroom 01; Restroom 02; Hallway; Vault; Data Storage:	RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)	ADDRESS:
L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY This section does not apply to this project.	T. DWELLING UNIT LIGHTING This section does not apply to this project.	NRCA-LTI-03-A - Must be submitted for automatic daylight controls. Retail Zone; Lobby;	 The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design identificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable 	347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000
M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING	U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Designer Name: Syed P. Alam Company: Date Signed:	AFN. 002-041-058-000
This section does not apply to this project. N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS	Form/Title NRCI-LTI-E - Must be submitted for all buildings		Innodez Inc. 2023-03-23	
This section does not apply to this project.			Pleasanton CA 94566	CONFIDENTIALITY STATEMENT:
O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE This section does not apply to this project.				ALL DRAWINGS AND WRITTEN MATERIALS
P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) This section does not apply to this project.				APPEARING HEREIN CONSTITUTE THE
Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0134	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0134	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0134	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0134	ORIGINAL AND UNPUBLISHED WORK OF THE
Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:33	Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:33	Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:33	Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:33	DESIGNER AND THE SAME MAY NOT BE
STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	DUPLICATED, USED OR DISCLOSED WITHOUT
CERTIFICATE OF COMPLIANCE This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations. Project Name: Element 7 Cannabis Retail Report Page: (Page 1 of 12)	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 2 of 12) Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 3 of 12) Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 4 of 12) Project Address: 347 W. Market Date Prepared: 3/23/2023	CONSENT OF THE DESIGNER.
Project Address: 347 W. Market Date Prepared: 3/23/2023	C. COMPLIANCE RESULTS	F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS) Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)	H. FAN SYSTEMS & AIR ECONOMIZERS	
A. GENERAL INFORMATION 11 Project Location (city) 12 Climate Zone 13 Climate Zone 14 Total Conditioned Floor Area 15 Total Unconditioned Floor Area 16 Total Unconditioned Floor Area 17 Total Unconditioned Floor Area 18 Total Unconditioned Floor Area	Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance. 01 02 03 04 05 06 07 08 09	01 02 03 04 05 06 07 08 09 10 11 Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a&b), 170.2(c)1 & 170.2(c)2	This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H. System AHU- Quantit V Pan System Status New System Other Zoning System Unite System Status New System Other Zoning System Unite Serving Dwelling Units Airflow (cfm) Not Serving Dwelling Units Airflow (cfm) Not Serving Dwelling Units Airflow (cfm) Not Serving Dwelling Units Airflow (cfm)	NOTES:
03 Occupancy Types Within Project: • Data Center • Office • Retail • Warehouse • All Other Occupancies 1	System Summary 110.1, AND Pumps 140.4(k), 110.2 AND Pumps 140.4(k), 110.3 AND Pumps 140.4(k), 110.3 AND Pumps 140.4(c), 110.3 AND Pumps 140.4(c), 110.3 AND Pumps 140.4(c), 110.3 AND Pumps 140.4(d) 140.4(d) 140.4(d) 140.4(d) 140.4(d) 140.4(d) 140.4(d) 140.4(d) 140.4(d)	Name or Item Tage Tables 110.2, 140.4(a)2 and Title 20 Smallest Size Available Supp.	01 02 03 04 05 06 07 08 09 10 11	1. ALL DIMENSIONS HEREIN ARE IN IMPERIAL UNITS UNLESS STATED OTHERWISE.
B. PROJECT SCOPE This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in	140.4, 170.2(c) 140.4(f), 170.2(c) 170.2(c) 170.2(c) 170.2(c) 170.2(c) 160.3	170.2(c)1 Per Design (kBtu/h) (kBtu/h) Reating Output (kBtu/h) Per Design (kBtu/h) Reating Output (kBtu/h) Per Design (kBtu/h) Reating Cooling Load (kBtu/h)	Fan Name or Item Tag Qty Qty Component Allowance Compone Allowance Compone Input Nameplate In	2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER,
140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations. 01	Yes AND AND Yes AND Yes AND Yes AND Yes AND Yes AND COMPLIES Mandatory Measures Compliance (See Table Q for Details) Complies	AHU-01&02 Unitary Heat Pumps Air-cooled, split (3 phase) NA: Load Controls 47.45 36 0 65.85 30 138.76 106.7 1FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are excepted.	Tag (%) Allowance (watt/cfm) Power Method Power (kW) Base Allowance for system serving spaces <= 6 floors away 1,200 278	ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS.
☑ Heating Air System ☐ Water Economizer ☒ Air Economizer ☑ Cooling Air System ☐ Pumps ☐ Electric Resistance Heat Mechanical Controls ☐ System Piping ☒ Fan Systems	D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	² It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables. ³ If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank. ⁴ Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).	SF Supply 2 MERV 13-16 Filter upstream of thermal conditioning equipment 1,200 167 Hydronic/DX cooling coil or heat pump coil 1,200 167 Manufacturer provided 0.27	3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING WORK.
Mechanical Controls (existing to remain, altered or new) Cooling Towers Ductwork (existing to remain, altered or new) Chillers Ventilation Boilers Zonal Systems/ Terminal Boxes	E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps 01 02 03 04 05 06 07 08 09 Heating Mode Cooling Mode	Economizer Return Damper 1,200 55 Fan System Electrical Output (kW)	4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT
Donlers — Zonar Systems, Terminal Boxes	F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS) Space Conditioning System Information	Name or Item Tag (Btu/h) Size Category (Btu/h) Rating Condition (°F) Rating Condition (°F) Minimum Efficiency Required per Tables 110.2 / Tables 110.2 / Minimum Efficiency Design Efficiency Efficiency Unit Tables 110.2 / Tables 110.2 /	¹ FOOTNOTES: Fans serving spaces with design background noise goals below NC35 ² Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.	TO THE BUILDING AND ANY ADJACENT STRUCTURES.
	01 02 03 04 05 06 System Name Quantity System Serving System Status Space Type Utilizing Recovered Heat AHU-01&02 2 Single zone New/ Addition □	Title 20 Title 20 Title 20 AHU-01&02 <65,000 HSPF 8.2 8.8 SEER 14.0 15	H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)40 01 02 03 04 05 06 07 08 09 10 11	
		G. PUMPS This section does not apply to this project.		
Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	
Schema Version: rev 2022/000 Report Generated: 2023-03-23 07:19:29	Compilance in: Energy Eniciency Standards - 2022 Nonresidential Compilance Report Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	Compilance 10: Energy Efficiency Standards - 2022 Nonresidential Compilance Report Version: 2022.0.000 Compilance 10: EnergyPr0-30207-0323-0153 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	CA Building Energy Efficiency Standards - 2022 Nonresidential Compilance Report Version: 2022.0.000 Compilance ID: Energyrio-30207-0323-0325 Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	
STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Mechanical Systems CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 6 of 12) Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 7 of 12) Project Address: 347 W. Market Date Prepared: 3/23/2023	CERTIFICATE OF COMPLIANCE Project Name: Element 7 Cannabis Retail Report Page: (Page 8 of 12) Project Address: 347 W. Market Date Prepared: 3/23/2023	
H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)40	J. VENTILATION AND INDOOR AIR QUALITY This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(p) and 140.4(q) for all nonresidential and hotel/motel and	J. VENTILATION AND INDOOR AIR QUALITY NA: Not required per	J. VENTILATION AND INDOOR AIR QUALITY NA: Not required per	
Fan System Name Qty Operation per Year Hours of Operation per Year Hours of Operation per Year Outdoor Airflow Air	d:t24refnolink/]160.2, 160.3(a)3D, 170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.	Distribution Retail sales 288 72 0 0 OC Sensor NA: Not required per \$120.1(d)3 Occ Sensor Occ Sensor Space type	Restroom 01 & 02 Locker room (athletic facility) 124 2 0 140 140 Occ Sensor NA: Not required per \$120.1(d)3 Occ Sensor NA: Not required space type	
Fan Energy Index (FEI)	O1	Security Storage All others 175 26.2 0 0 0 DCV NA: Not required per \$120.1(d)3 Occ Sensor NA: Not required Provided Prov	Hallway Lobbies 48 7.2 0 0 0 NA: Not required per \$120.1(d)3 Occ Sensor Occ S	REV. NO. DESCRIPTION DATE BY
02 03	O3	Office Office space 190 28.5 0 0 NA: Not required per \$120.1(d)3	Vault Lobbies 54 8.1 0 0 0 NA: Not required per \$120.1(d)3	
This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems. 01	System Name AHU-01&02 System Design OA CFM Airflow 1862 System Design Transfer Air CFM 0 Airflow 160.2(c)212 Provided	Occ Sensor Space type DCV NA: Not required per Security Office space 90 13.5 0 0	Data Storage All others 62 9.3 0 0 Occ Sensor Space type NA: Not required space type NA: Not required per \$120.1(d)3	
Conditioned Thermostats Shut-Off Zone Demand Response Temp. Reset Window Interlocks per System Name Zoning Being Served 160.3(a)2A or 141.0(b)2E & 120.2(e) & 120.2(e) & 120.2(e) & 120.2(e) & 140.4(f) & 140.4(f	08 09 10 11 12 13 14 15 16 Mechanical Ventilation Required per 120.1(c)3 ³ & 160.2(c)3 Space Name or Item Tag Conditioned # of Shower # of Name or Item Tag Conditioned # of Name or Item Tag Conditioned # of Shower # of Name or Item Tag Conditioned # of	Occ Sensor NA: Not required space type NA: Not required space type NA: Not required per	Occ Sensor NA: Not required space type 17 Total System Required Min OA CFM 604 18 Ventilation for this System Complies? Yes	
(ft²) 180.2(b)2 160.3(a)2D 120.2(g) 8 160.3(a)2F 170.2(c)4D 170.2(c)4D AHILD18.02 Single zone (= 25.000 ft² Sethack Auto Timer A Hour Timer FMCS increase Provided	or Item Tag Occupancy Type ⁴ Floor Area (ft ²) Occupancy Type ⁴ Floor Area (ft ²) Floor Area (ft ²) Floor Area (ft ²) Froyided per Design CFM Froyided per Design CFM OCCUPANCE Froyided per Desig	Lobby Main Entry Lobby 175 87.5 0 0 S120.1(d)3 Occ Sensor Space type NA: Not required space type NA: Not required per	¹ FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system ² Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.	
¹ FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.	Retail Zone Retail sales 605 151.2 0 0 0 S120.1(d)3 Occ Sensor NA: Not required space type	Mechanical All others 87 0 0 0 0 OCC Sensor NA: Not required space type	3 Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence. 4 See Standards Tables 120.1-A and 120.1-B. 5 For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.	
	Manufacturin g All others 500 75 0 0 0 NA: Not required per \$120.1(d)3 Occ Sensor Occ Sensor Space type	Breakroom Break room 250 125 0 0 0 DCV NA: Not required per \$120.1(d)3 Occ Sensor NA: Not required	6 120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft ² or smaller, multipurpose rooms less than 1,000 ft ² , classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).	PROJECT: Proposed Proporty Doyclopment
	- — — — — — — — — — — — — — — — — — — —	space type	Multifamily Dwelling Unit Ventilation Systems □ Check the box if the system is using continuous ventilation to meet the ventilation requirements per 160.2(b)2Aivb2 19 20 21 22 23 24 25 26 27	Proposed Property Development Element 7 Cannabis Retail
Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	Registration Number: Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-50207-0323-0133	TITLE:
Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	Schema Version: rev 20220101 Report Generated: 2023-03-23 07:19:29	T24-03
				PROJ. NO. PROJ. ENGR. SCALE @ 24X36:
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STATE OF CALIF	OPNIA									
_	ical Systen	าร							CALIFORNIA	A ENERGY COMMISSIC
	OF COMPLIANC	E	,		,		,			NRCC-MCH
Project Name							Report Page:			(Page 9 of 1
Project Addr	ess:				·	347 W. Mark	et Date Prepared:			3/23/202
. VENTILA	TION AND IN	DOOR AIR	QUALITY							
	Mechar	ical Ventilation	on Required p	er 120.1(b) & :	160.2(b)2		ition per esign			
Space Nam or Item Ta	Floor Are	VP 2	edrooms	# of Dwelling Units	IVIIN UA	Supply Ai		Local Exhaust	Air Filtration per 1	120.1(c) & 160.2(b)1
28	(ft²)	le this a hal	anced system	4	CFM ¹	29		Meeting Outside Air F	Requirements?	
	S: Uniform M				ventilation	20	ts: the most strin	gent code requirement		
	•		s ventilation o	irflow to each	dwelling-ur	nit at a rate	equal to or grea	ter than the required m	inimum rate, but not more thai	n twenty percent.
his section	does not appl	y to this proje	ect.							
. DISTRIB	UTION (DUC	WORK and	PIPING)							
				y pipe insulati	on requirem	nents found	in 120.3 and ma	ndatory requirements fo	ound in 120.4(g) for duct sealin	g.
01		□ we	ather shall be	installed with	a cover suit	able for out	door service. Ins	sulation covering chilled	nt maintenance, and wind. Insu water piping and refrigerant so ad joints of which shall be seale	uction piping located
			Side the cond	tioned space :	silali ilave a	Class I OI Cl	ass if vapor retai	raci. All perietrations ar	ia jointo di winch shan be scale	u.
uct Leaka	ge Testing		side the cond	tioned space :	silali ilave a	Class For Cl	· ·			cu.
				owing duct sys		HU-01&02	NR/ Common		ing shall not exceed 6% per	No
he answer	s to the questi	ons below ap	ply to the foll		tems: AH	Gener Report	NR/ Common	NA7.5.3 required for th	ing shall not exceed 6% per ese systems? Documenta Compliance ID: Ene	No stion Software: EnergyPregyPro-50207-0323-013
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Registration Number:	Generated Date/Time:	Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-50207-0323-0131 Report Generated: 2023-03-23 07:19:28
STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE	1	NRCC-PLB-E
Project Name: Element	7 Cannabis Retail Report Page:	(Page 6 of 6)
Project Address:	347 W. Market Date Prepared:	3/23/2023
	Documentation Author Signature: Mohamad Nohayli	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accura	te and complete.	
Mohamad Nohayli	Mohamad Nohayli	
Company: InnoDez, Inc.	Signature Date: 2023-03-23	
Address: 726 Foxbrough	CEA/ HERS Certification Identification (if ap	plicable):
City/State/Zip: Pleasanton CA 94566 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept respond of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate.	nanufactured devices for the building design or system design id of Compliance are consistent with the information provided on	entified on this Certificate of Compliance conform to the requirements
plans and specifications submitted to the enforcement agency for approval with th 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compli	made available with the building permit(s) issued for the buildi	
Responsible Designer Name: Syed P. Alam	Responsible Designer Signature: Syed Alam	DROFESSIONAL DE DE PARTIE
Company: Innodez Inc.	Date Signed: 2023-03-23	Solo E
Address: 726 Foxbrough	License: 27087	NO. M 27087 EXP. 06/30/2023
City/State/Zip:	Phone:	STA MECHANICA COM

Generated Date/Time:

Report Version: 2022.0.000

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

Mechanical S			CALIFORNIA ENE	NRCC-MC	
Project Name:	IVII LIAIVEL	Element 7 Cannabis I	Retail Report Page:	(Page 10 of	
Project Address:			arket Date Prepared:	3/23/20	
L. DISTRIBUTIO	N (DUCTWOR	(and PIPING)	·		
			Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems?	No	
			Duct leakage testing per CMC Section 603.10.1 required for these systems?	Yes	
11	No	The scope of the project includes only duct systems	serving healthcare facilities		
12	Yes	Duct system provides conditioned air to an occupia	ble space for a constant volume, single zone, space-conditioning system.		
13	Yes	The space conditioning system serves less than 5,00	00 ft ² of conditioned floor area.		
14	No	The combined surface area of the ducts is more that	n 25% of the total surface area of the entire duct system:		
15		The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.			
16	No	The scope of the project includes an existing duct so and diagnostic testing in accordance with procedure	ystem that is documented to have been previously sealed as confirmed throughes in the Reference Nonresidential Appendix NA2.	n field verification	
17		All Ductwork and plenums with pressure class rating	gs shall be constructed to Seal Class A		
18		All ductwork is an extension of an existing duct syst	em		
19		Ductwork serving individual dwelling unit			
		< 25 ft of new or replacement space conditioning d	ucts installed		
20					
20 21	R-8	Dust Insulation R-value			
21 M. COOLING TO	OWERS				
M. COOLING TO	OWERS not apply to th	is project.			
M. COOLING TO	OWERS not apply to th				
M. COOLING TO	OWERS not apply to th	s project. ED CERTIFICATES OF INSTALLATION	Form/Title		
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		r Heating System	CALIFORNIA ENERGY COMMISS
roject Nar	E OF COMPLI	Element 7 Cannabis Retail	NRCC-Pi
roject Add			t Date Prepared: 3/23/2
mplianc	e is demons	emonstrate compliance for nonresidential occupancies with distribution trated with requirements 110.3(c), 160.4, 170.2(d). ation All Occupancies	on requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies,
13		For systems serving dwelling units, pipe insulation must meet the m Piping that penetrates framing members shall not be require penetrates metal framing shall use grommets, plugs, wrapping insulation shall abut securely against all framing members Piping installed in interior or exterior walls shall not be requing insulation Installation (QII) as specified in the Reference Resi	minimum insulation requirements in Table 160.4-A (see blow) except: red to have pipe insulation for the distance of the framing penetration. Piping that bing or other insulating material to assure that no contact is made with the metal framing. Lired to have pipe insulation if all of the requirements are met for compliance with Quality sidential Appendix RA3.5. ion, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required.
14	×	Recirculating system piping, including supply and return piping.	following applications is specified to comply with Table 120.3-A (see below) per 120.3: ping of the water heater en storage tank and heat trap, for a nonrecirculating storage system
			unlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shal / 160.4(f). Pipe insulation buried below grade most be installed in a water proof and

		TABLE 120.3-A / 16	0.4-A PIPE INSU	JLATION THICKN	IESS	
	Conductivity				Nominal Pipe Diameter (in)	
Fluid Temperature Range (°F)	Range (Btu-in per hour per ft ²	Insulation Mean Rating Temp (°F)	<1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily 8 Hotel/Motel
	per °F)				Minimum Insulation Required	
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

egistration Number:	Generated Date/Time:	Documentation Softwar
A Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-5020 Report Generated: 2023-03

HVAC SYSTEM HEA	ATING	AND COOLING LOAD	SSUM	MARY		Date	
Element 7 Cannabis Retai							23/2023
System Name						Floor	
AHU-01&02 ENGINEERING CHECKS		SYSTEM LOAD				<u> </u>	2,648
Number of Systems	2	STSTEM LOAD	COIL	COOLING P	EAK	COII H	TG. PEAK
	_		CFM	Sensible	Latent	CFM	Sensible
Heating System Output per System	36,000	Total Room Loads	3,616		83,853	361	13,799
Total Output (Btuh)	72,000	Return Vented Lighting		0	,		,,,,,,,
Output (Btuh/sqft)	27.2	Return Air Ducts		3,312		-	690
Cooling System		Return Fan		0			0
Output per System	36,000	Ventilation	1,862	13,476	-58,596	1,862	83,700
Total Output (Btuh)	72,000	Supply Fan		1,842			-1,842
Total Output (Tons)	6.0	Supply Air Ducts		3,312			690
Total Output (Btuh/sqft)	27.2						
Total Output (sqft/Ton)	441.3	TOTAL SYSTEM LOAD		88,183	25,257		97,037
Air System							
CFM per System	1,200	HVAC EQUIPMENT SELECTION					
Airflow (cfm)	2,400	Standard Heat Pump		65,852	9,729	L	47,449
Airflow (cfm/sqft)	0.91					L	
Airflow (cfm/Ton)	400.0					L	
Outside Air (%)	77.6%	rotal Adjusted Cystelli Catput		65,852	9,729	L	47,449
Outside Air (cfm/sqft)	0.70	(Adjusted for Peak Design conditions)					
Note: values above given at ARI of		TIME OF SYSTEM PEAK			Aug 3 PM		Jan 1 AM
HEATING SYSTEM PSYCHRO	METRICS	(Airstream Temperatures at Time	or Heating	Реак)			
28 ℉	37 °F	105 °F	106 °F				
			. 8		B.		
Outside Air							1
1,862 cfm	Heating		l			1	▼ 05 °F
I		2,400 cfm			100		
					RC	MOC	1
70 °F						7	70 °F
	4						
` ~	•						
COOLING SYSTEM PSYCHRO	METRICS	(Airstream Temperatures at Time	of Cooling	Peak)	.		
82 / 65 °F	80	0 / 66 °F 55 / 54 °F 56 /	54 ℉				
			A F				.
Outside Air					<u></u>		↓
1,862 cfm		Cooling Coil Supply Fan				57	/ 55 ºF
l Î		2,400 cfm		86.7%	BC.	ОМ	
				00.17	,	- 1	1
75 / 71 °F						74	/ 71 ºF

CERTIFICATE OF COMPL			NRCC-MCH-
Project Name:	Element 7 Cannabis Retai	· · · ·	(Page 12 of 12
Project Address:	347 W. Market	Date Prepared:	3/23/2023
DOCUMENTATION A	AUTHOR'S DECLARATION STATEMENT		
I certify that this Ce	rtificate of Compliance documentation is accurate and comple	te.	
Documentation Author Nar Mohamad Nohayli	ne:	Documentation Author Signature: Mohamad Nohayli	
Company: InnoDez, Inc.		Signature Date: 2023-03-23	
Address: 726 Foxbroug	h	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip: Pleasant	on CA 94566	Phone:	
I certify the following unde The information I am eligible un The energy feat of Title 24, Part The building de plans and speci I will ensure th:	ON'S DECLARATION STATEMENT r penalty of perjury, under the laws of the State of California: n provided on this Certificate of Compliance is true and correct. der Division 3 of the Business and Professions Code to accept responsibility for the buil tures and performance specifications, materials, components, and manufactured device 1 and Part 6 of the California Code of Regulations. sign features or system design features identified on this Certificate of Compliance are fications submitted to the enforcement agency for approval with this building permit a at a completed signed copy of this Certificate of Compliance shall be made available with nderstand that a completed signed copy of this Certificate of Compliance is required to	es for the building design or system design identified on this Certificate or consistent with the information provided on other applicable compliant oplication. In the building permit(s) issued for the building, and made available to the building of the	of Compliance conform to the requirements we documents, worksheets, calculations, the enforcement agency for all applicable
Responsible Designer Name Syed P. Alam Company: Innodez Inc.	9:	Responsible Designer Signature: Syed Alam Date Signed: 2023-03-23	DPROFESSIONAL CO. P. A.
Address: 726 Foxbrough City/State/Zip:		License: 27087	NO. M 27087 EXP. 06/30/2023
		Phone:	OF CALFORNICA CRAM

Documentation Software: EnergyPro

Compliance ID: EnergyPro-50207-0323-0133 Report Generated: 2023-03-23 07:19:29

Registration Number:

STATE OF CALL Domest	ifornia ic Water H	eating Sys	tem			CALIFORNIA ENERGY COMMISSION
CERTIFICATI	OF COMPLIANO	CE	$\overline{}$			NRCC-PLB-E
Project Nam	ne:		7	Element 7 Cannabis Retail	Report Page:	(Page 4 of 6)
Project Add	ress:			347 W. Market	Date Prepared:	3/23/2023
This table i	STIC HOT WAT is used to demo ted with requir	nstrate compl	iance with con		pancies. For multifamily residential an	d hotel/motel occupancies, compliance is also
	Yes	No	Not Applicable		Requirement	
01	×				nufacturer certification that service was usting temperature settings per 110.3(ater-heating systems are equipped with automatic (a).
	1900			Systems with capacity > 167,000 BTL	IN aquipped with outlet temperature	controls par 110 3/c)1 uplace covared by California

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

	Yes	No	Applicable	Requirement
01	×			Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02		0	×	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03				Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per \$110.3(c)2 unless systems serves healthcare facility.
04			×	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 fo additions.
05			⋈	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06			×	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07			×	Boiler combustion air fans with motor >= 10 hp shall meet one of the following The fan motor shall be driven by a variable speed drive OR The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08			×	Newly installed boilers with an input capacity {d:gte/] 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.
	W	4		

control linkage of just	ex share is promoted.				
DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION					
	Form/Title				
RCI-PLB-E - Must be submitted for all buildings					
legistration Number:	Generated Date/Time:	Documentation Software: EnergyPro			
A Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000	Compliance ID: EnergyPro-50207-0323-0131			

JERTH ICATE	OF COMPLIANCE								NRCC-PLB-
alterations,	ent is used to demonstrate complic for domestic water heating scopes 3, 160.4 and 170.2(d), and with rec	using the prescriptive path. For h	igh-rise resid	lential and					
Project Nam	e:	Element 7 C	annabis Retail	Report Pag	e:				(Page 1 of 6
Project Addr	ress:	3	47 W. Market	Date Prepa	red:				3/23/202
A. GENER/	AL INFORMATION								
01	01 Project Location (city) St. Salinas			02		limate Zone		3	
03	Occupancy Types Within Project (s	elect all that apply):			•		*		
	nd 141.0(a)/ 180.1, or 141.0(b)2N / ater heating systems are document 01	ed on the NRCC-MCH compliance		* *	02			03	
	My project consists of (checl	My project consists of (check all that apply):		System Type ^{1,2}		System Components			
	New system (DHW system being installed for the first time in newly constructed building)						1	1	
		for the first time in newly	Individual	System (se	erving nonre	sidential spaces)	■ Equipment	□ Distribution	
constru System	ucted building) n Alteration (equipment, distribution	n or controls)					☐ Equipment	☑ Distribution☐ Distribution	☑ Controls
construction of the constr	ucted building) In Alteration (equipment, distribution ES: Point of use water heaters, or of units refers to hotel/motel guest rolems serving 2 or more dwelling unitable IANCE RESULTS Indicate if the project data input in	n or controls) ther non-central systems used to some and units in a multifamily rests are considered "Central System to the compliance document is co	erve nonresi idential occu s" for multifa ompliant with	dential spa pancy. Imily occup	ces, are con	sidered individual s	Equipment	Distribution	Control
construction of the constr	ucted building) n Alteration (equipment, distribution ES: Point of use water heaters, or of units refers to hotel/motel guest rolems serving 2 or more dwelling unitalistics.	n or controls) ther non-central systems used to some and units in a multifamily rests are considered "Central System to the compliance document is co	erve nonresi idential occu s" for multifa ompliant with	dential spa pancy. Imily occup	ces, are con nancies nancies	sidered individual s	Equipment systems.	Distribution	Control

, , , ,	it into the compliance accument is complial the table indicated as not compliant for gu	5 ,	f this table says "DOES NOT COMPLY" or "COMPLIES with
01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	S
Table F	Table G	Table H	Compliance Results
Yes	Yes	Yes	COMPLIES

CA Building Energy Efficiency Standards - 2022 Nonresidential Complian	ce Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-50207-0323-0131 Report Generated: 2023-03-23 07:19:28
STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	Element 7 Cannabis Retail Report Page:	(Page 5 of 6
	347 W. Market Date Prepared:	3/23/2023

Generated Date/Time:

. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
There are no forms required for this project.	
K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	
There are no forms required for this project.	

gistration Number:	Generated Date/Time:	Documentation Software: EnergyPro
Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000	Compliance ID: EnergyPro-50207-0323-0131

CLIENT:

ADDRESS:

Documentation Software: EnergyPro

347 W. Market St. Salinas, CA 93901 APN: 002-041-056-000

CONFIDENTIALITY STATEMENT:

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REV. NO.	DESCRIPTION	DATE	BY
PROJECT:	osed Property Develo	nment	

Element 7 Cannabis Retail T24-04 SCALE @ 24X36: PROJ. NO. PROJ. ENGR.

T 2 4 - 0 4

DRAWING NO.