

STREET (PER LOT SPECIFIC BUILDING PERMIT APPLICATION)



LEGEND:

ABBREVATIONS.

ADL	JIL VALIONS.		
Ø	DIAMETER	I.E.	INVERT ELEVATION
#	NUMBER	IMC.	INTERMEDIATE METAL CONDUIT
Ę.	CENTER LINE	IN.	INCH/INCHES
A.B.	ANCHOR BOLT	IPS	IRON PIPE SIZE
A.B.C.	ABOVE CEILING	MAX.	MAXIMUM
ACT.	ACTUAL	MIN.	MINIMUM
A.F.F.	ABOVE FINISH FLOOR	(N)	NEW
A.F.G.	ABOVE FINISH GRADE	NIPC	NOT IN PLUMBING CONTRACT
AL.	ALUMINUM	NO.	NUMBER
BTU	BRITISH THERMAL UNITS	0/	OVER
BTU/HR.	BRITISH THERMAL UNITS PER HOUR	O.C.	ON CENTER
CFH	CUBIC FEET PER HOUR	OH.	OVERHEAD
CONT.	CONTINUOUS	(P)	PROPOSED
COTG	CLEAN OUT TO GRADE	PSI	POUNDS PER SQUARE INCH
D.F.	DOUGLAS FIR	P.T.	PRESSURE TREATED
(E)	EXISTING	SF	SQUARE FEET
ESS	ENERGY STORAGE SYSTEM	SIM.	SIMILAR
E.W.	EACH WAY	SOV	SHUT-OFF VALVE
F.F.	FINISH FLOOR	SPD	SURGE PROTECTION DEVICE
F.G.	FINISH GRADE	T.P.	TOP PLATE
F.U.	FIXTURE UNITS	T&B	TOP AND BOTTOM
GA.	GAGE	U.F.	UNDER FLOOR
GAL.	GALLON	UG	UNDERGROUND
GPF	GALLONS PER FLUSH	U.N.O.	UNLESS NOTED OTHERWISE
GPH	GALLONS PER HOUR	VTR	VENT THROUGH ROOF
GPM	GALLONS PER MINUTE	VTW	VENT THROUGH WALL
GRS	GALVANIZED RIGID STEEL	W/	WITH
		W/O	WITHOUT

SITE NOTES:

SITE PREPARATION AND GRADING

FINISH FLOOR ELEVATION TO BE ABOVE THE CROWN OF THE STREET. ANY SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY PERSON LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA.

GRADE DIFFERENTIALS GREATER THAN 12" SHALL BE SUPPORTED BY AN APPROVED ENGINEERED RETAINING WALL STRIP AND REMOVE UPPER SIX INCHES OF ALL ORGANIC TOPSOIL AND VEGETATION FROM AREA'S TO RECEIVE BUILDING FOUNDATIONS, ENGINEERED FILL, SLABS, PAVEMENT, ETC. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE BUILDING LAYOUT AND FOR

ESTABLISHING THE LOCATION OF BURIED UTILITY LINES. IN THE EVENT THAT THERE ARE ANY CONFLICTS BETWEEN ACTUAL CONDITIONS AND THE DESIGNED DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER IMMEDIATE AND SHALL NOT PROCEED WITH THE WORK UNTIL DIRECTED BY THE DESIGNER.
THE BUILDING PAD SHALL EXTEND AT LEAST FIVE FEET BEYOND THE PERIMETER FOUNDATION LINES AND BE MOISTURE CONDITIONED AS NECESSARY AND COMPACTED TO ACHIEVE AT LEAST 90 PERCENT DRY DENSITY. FILL SHALL BE FREE FROM DEBRIS, VEGETATION AND OTHER FOREIGN SUBSTANCE. IT SHALL BE PLACED IN LIFTS APPROXIMATELY SIX INCHES THICK, MOISTURE CONDITIONED AS NECESSARY, AND COMPACTED TO ACHIEVE 90 EXCAVATE TO DEPTHS NOTED ON DRAWINGS AND AS REQUIRED FOR PROPER COMPLETION OF ALL FOOTINGS AND

HER SUBGRADE LEVEL WORK. ALL EXCAVATIONS SHALL BE OF SUFFICIENT SIZE TO PROVIDE AMPLE ROOM FOR CONSTRUCTION OF FORMS, SHORING AND BULK HEADING AS REQUIRED. SLOPES FOR PERMANENT FILLS SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO I VERTICAL. CUT SLOPE FOR PERMANENT EXCAVATIONS SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL UNLESS A SOILS REPORT SUBMITTED TO AND EXCEPTED BY THE DESIGNER. BUILDING PADS SHALL BE CONSTRUCTED PER SOIL ENGINEER'S SPECIFICATIONS AND SHALL BE WITHIN 0.10 FT. OF THE ELEVATIONS SHOWN ON THE PLANS. ALL PAVING SHALL BE IN ACCORDANCE WITH THE SOILS ENGINEER'S

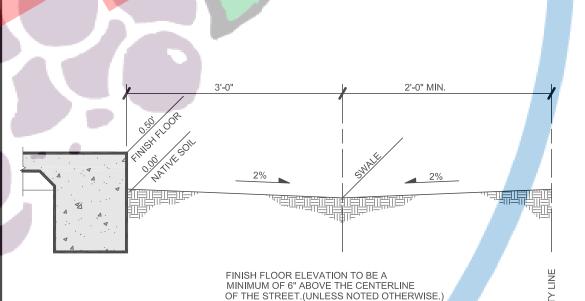
ESTABLISHED AT THE SITE SHALL BE CAREFULLY PRESERVED AND INSPECTED BY THE GENERAL CONTRACTOR, A SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE IF LOST OR DESTROYED AS A RESULT OF HIS OPERATIONS. MARKERS SHALL BE RESET BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR. STRIP AND REMOV UPPER SIX INCHES OF ALL ORGANIC TOPSOIL AND VEGETATION FROM AREAS TO RECEIVE BUILDING FOUNDATIONS ENGINEERED FILL, SLABS, PAVEMENT, ETC. THE SANITARY SEWER SERVICES, DOMESTIC WATER, GAS, AND ANY OTHER UNDERGROUND SERVICE CONNECTION COMPLETED IN ALL AREAS TO BE PAVED PRIOR TO PLACEMENT OF ASPHALT CONCRETE ON SITE.

SITE DRAINAGE

NO-ON-SITE WATER RETENTION OR DRAINAGE INTO ADJACENT SITES LOT SHALL BE GRADED TO DRAIN WATER AWAY FROM ALL FOUNDATIONS AT A SLOPE OF 5% WITHIN 10 FEET OF THE BUILDING. (CRC SECTION R401.3) IMPERVIOUS SURFACES WITHIN 10' OF THE BUILDING FOUNDATION SHALL SLOPE A MINIMUM OF 2% AWAY FROM : AL<mark>L SITE GRADI</mark>NG OUTSIDE OF THE BUILDING ENVELOPE IS REQUIRED TO BE A MINIMUM OF 0.5% DIRECTED

GENERAL REQUIREMENTS

7. ALL FOOTING TRENCHES SHALL BE LEVEL SO THAT BOTH TOP AND BOTTOM OF SUCH FOOTINGS ARE LEVEL. TEMPORARY FENCES TO SECURE PROJECTS UNDER CONSTRUCTION ARE ALLOWED. ANY TEMPORARY FENCE SHA
BE ADEQUATELY SECURED AND CONSTRUCTED TO PREVENT OVERTURNING DUE TO WIND, VANDALISM, AND/OR CASUAL CONTACT BY THE GENERAL PUBLIC. THE CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE ANY POTENTIAL SAFETY HAZARD WHICH MAY OCCUR AS A RESULT OF IMPROPER FENCE INSULATION OR DAMAGE TO THE FENCE.



SWALE AT PROPERTY LINE

PROJECT DATA:

PROJECT ADDRESS: CONSTRUCTION TYPE: TYPE V-B LOT COVERAGE:

PROJECT DESCRIPTION: ACCESSORY DWELLING UNIT PLAN #3 - 23-TADU-003 GABLE, CONTEMPORARY, AND CRAFTSMAN PRE APPROVED STANDARD PLAN (PER BUILDING PERMIT APPLICATION)

PRE APPROVED STANDARD PLAN (PER BUILDING PERMIT APPLICATION) (N) FIRST LEVEL = ADU = 625 SF PORCH(OPTION): 70 SF

PRE APPROVED STANDARD PLAN (PER BUILDING PERMIT APPLICATION) NUMBER OF STORIES: SINGLE STORY RESIDENTIAL R3 OCCUPANCY GROUP PER PLAN (SEE ELEVATIONS) BUILDING HEIGHT:

DRAWING INDEX:

T.1 TITLE SHEET, PROJECT DATA, AND SITE PLAN

GC.1 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (RESIDENTIAL MANDATORY MEASURES) ARCHITECTURAL DRAWINGS.

A.1 FLOOR PLAN (W/PORCH OPTION)

A.2 GABLE BUILDING ELEVATIONS (W/PORCH OPTION)

A.3 CRAFTSMAN BUILDING ELEVATIONS (W/PORCH OPTION) A.4 CONTEMPORARY BUILDING ELEVATIONS (W/PORCH OPTION)

A.5 ARCHITECTURAL DETAILS

STRUCTURAL DRAWINGS S.1 FOUNDATION PLAN AND BRACED WALL FRAMING PLAN (W/PORCH OPTION)

S.2 ROOF FRAMING PLAN AND CEILING JOIST FRAMING PLAN FOR GABLE AND CRAFTSMAN (W/PORCH OPTION) S.2.1 ROOF FRAMING PLAN AND BUILDING SECTIONS FOR GABLE AND CRAFTSMAN (W/PORCH OPTION)(TRUSS OPTION)

ROOF FRAMING PLAN AND CEILING JOIST FRAMING PLAN FOR CONTEMPORARY (W/PORCH OPTION) S.4 BUILDING SECTIONS FOR GABLE, CRAFTSMAN, AND CONTEMPORARY (W/PORCH OPTION)

S.5 STRUCTURAL DETAILS

TJI JOIST MANUFACTURER INSTALLATION DETAILS

UTILITY DRAWINGS. PLUMBING PLAN AND DETAILS W.1 MECHANICAL PLAN AND DETAILS

M.2 ENERGY DOCUMENTATION (GABLE/CRAFTSMAN) M.3 ENERGY DOCUMENTATION (CONTEMPORARY)

ELECTRICAL PLAN AND DETAILS PV.1 PHOTOVOLTAIC SOLAR PLAN AND SINGLE LINE DIAGRAM PV.2 PHOTOVOLTAIC SOLAR EQUIPMENT SPECIFICATION

PV.3 PHOTOVOLTAIC SOLAR EQUIPMENT SPECIFICATION

CODE COMPLIANCE & INSPECTION PER

CITY OF FRESNO: CODE REFERENCE

ALIFORNIA BUILDING CODE 2 ALIFORNIA RESIDENTIAL CODE 2022 (R) OR (CRC) AI IFORNIA GREEN BUILDING STANDARD CODE 2022 (CGBSC)

CALIFORNIA MECHANICAL CODE 2022 CALIFORNIA ELECTRICAL CODE 2022 (CEC) ALIFORNIA PLUMBING CODE 2022 (CPC)

ALIFORNIA ENERGY CODE 2022 PER JURISDICTION

ALL CONSTRUCTION SHALL CONFORM TO CALIFORNIA BUILDING CODE 2022 PERTAINING TO TYPE VB CONSTRUCTION AND ALL OTHER APPLICABLE CODES. AN APPROVED SET OF DRAWINGS BEARING THE STAMP OF THE CITY OF FRESNO BUILDING AND SAFETY DEPARTMENT SHALL BE AVAILABLE ON THE CONSTRUCTION SITE AT ALL TIMES. ALL APPROPRIATE AND NECESSARY DEPARTMENT OF BUILDING AND SAFETY PERMITS MUST BE POSTED AT ALL TIMES.

GENERAL CONSTRUCTION NOTES

PRIOR TO ORDERING ANY MATERIALS OR DOING ANY WORK, EACH TRADE SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS; ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS WHICH MAY BE FOUND SHALL BE SUBMIT**TED TO** THE ARCHI**TECT FOR CONSIDERATION AND** CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY

DEVIATION FROM THE CONTRACT DOCUMENTS. ALL OF THE CITY OF FRESNO BUILDING DEPARTMENT'S DRAWINGS AND CONSTRUCTION NOTES ARE COMPLIMENTARY AND WHAT IS CALLED FOR WILL BE BINDING AS IF CALLED FOR BY ALL; ANY WORK SHOWN OR REFERRED TO ON ANY ONE DRAWING SHALL BE PROVIDED AS THOUGH SHOWN ON ALL DRAWINGS.

THE WORK TO BE PERFORMED CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, FEES, MATERIALS AND SERVICES IN ACCORDANCE WITH THESE NOTES AND DRAWINGS; AND INCLUDES PERFORMING ALL OPERATIONS NECESSARY TO CONSTRUCT AND INSTALL COMPLETE, IN SATISFACTORY CONDITION, THE VARIOUS MATERIALS AND EQUIPMENT AT THE LOCATIONS SHOWN. ALL DIMENSIONS TO FROM STUD TO STUD; OR CENTER OF STUD TO CENTER OF STUD (UNLESS OTHERWISE NOTED CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS FOR CLEARANCES AND NOTIFY CITY OF FRESNO

BUILDING DEPARTMENT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS. FULL SIZE OR LARGE SCALE DETAILS OR DRAWINGS SHALL GOVERN SMALL SCALE DRAWINGS WHICH THEY ARE THE STANDARD SPECIFICATIONS OF THE MANUFACTURER FOR PRODUCTS CALLED FOR IN THE DRAWINGS AND

NOTES ARE HEREBY MADE A PART OF THESE NOTES WITH THE SAME FORCE AND EFFECT AS THOUGH HEREIN WRITTEN OUT IN FULL. ALL MATERIALS REQUIRED FOR THE PERFORMANCE OF THIS WORK SHALL BE NEW AND OF THE BEST QUALITY OF THE KINDS SPECIFIED. THE USE OF OLD OR SECOND HAND MATERIALS IS STRICTLY FORBIDDEN, EXCEPT FOR LOCATIONS ON THE DRAWINGS THAT REFER TO REMOVAL AND RELOCATION OF MATERIALS OR EQUIPMENT.

MATERIALS SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT ALL PRODUCT WARRANTIES. THE CONTRACTOR WILL WARRANTY ALL WORK AS PER APPLICABLE

REGULATIONS. PLUMBING, ELECTRICAL AND MECHANICAL WORK SHALL BE PERFORMED BY A LICENSED MEMBER OF THE RESPECTIVE TRADE. ALL INSURANCE COSTS AND COSTS ASSOCIATED WITH PERMITS, INSPECTION AND SIGN-OFFS SHALL BE AT THE

CONTRACTORS COST. CERTIFICATES OF INSURANCE ARE REQUIRED FROM THE LICENSED ELECTRICIAN, LICENSED PLUMBER, AND THE GENERAL CONTRACTOR FOR THE AMOUNTS SPECIFIED BY THE CONTRACT.

ALL CONTRACTORS, SUB-CONTRACTORS AND OTHERS WORKING ON THE PROJECT SHALL SUBMIT WAIVERS OF SIGNED AT THE COMPLETION OF THEIR WORK. THE PREMISES AND JOB SITE SHALL BE MAINTAINED IN A REASONABLY NEAT AND ORDERLY CONDITION AND KEF FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH DURING THE ENTIRE CONSTRUCTION PERIOD THE CONTRACTOR SHALL REMOVE ALL CRATES, CARTONS AND OTHER TRASH FROM THE WORK AREAS EACH DAY AND SHALL BE RESPONSIBLE FOR ITS PROPER DISPOSAL. THE PREMISES SHALL BE PROTECTED THROUGHOUT CONSTRUCTION AND SHALL BE TURNED OVER IN SPOTLESS AND ORDERLY CONDITION. ALL FIXTURES AND EQUIPMENT WILL BE LEFT IN UNDAMAGED, BRIGHT, CLEAN AND POLISHED CONDITION.

CONSTRUCTION WORK WILL BE CONFINED TO THE AREAS DESIGNATED ON THE DRAWINGS AND WILL NOT CREAT DUST, DIRT OR OTHER INCONVENIENCES TO OTHER SPACES. PROVIDE APPROVED JOB SITE TOILET THAT IS AVAILABLE TO ANYONE INVOLVED IN CONSTRUCTION ACTIVITIES. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY

NOTHING SHALL INTERFERE WITH THE RIGHTS, COMFORTS, OR CONVENIENCES OF ANY NEIGHBORS. NO ONSTRUCTION WORK, REPAIR WORK, OR OTHER INSTALLATION INVOLVING NOISE SHALL BE CONDUCTED EXCEPT ON CITY APPROVED WORK DAYS/HOURS, UNLESS SUCH CONSTRUCTION OR REPAIR WORK IS NECESSITATED BY AN EMERGENCY, OR OTHERWISE AGREED TO BY OWNER.

PROVIDE ALL TEMPORARY AND PERMANENT SHORING AS REQUIRED IN STRUCTURAL DRAWINGS. ALL WOOD FLOORS TO BE SECURED AS REQUIRED TO PREVENT CREAKING. ALL HOLES TO BE PATCHED. PROVIDE GUTTERS AND DOWNSPOUTS AS REQUIRED.

WEATHER STRIP EXTERIOR DOORS FROM HEATED SPACES UPON COMPLETION OF PROJECT, PREMISES SHALL BE LEFT BROOM CLEAN, SWEPT FREE OF DIRT AND DUST, ALL GLASS TO BE CLEAN, ALL FIXTURES AND APPLIANCES MADE FULLY OPERATIONAL, ALL SYSTEMS, (ELECTRICAL, PLUMBING, HVAC, ETC.) TO BE MADE FULLY OPERATIONAL AND BALANCED. ALL WARRANTIES AND MANUALS OF

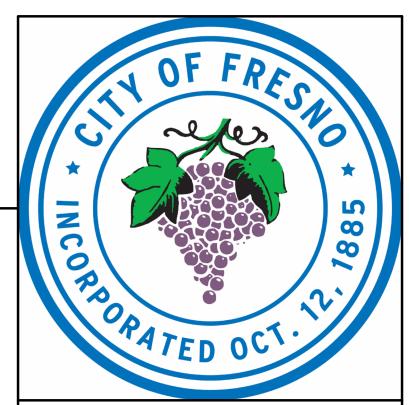
SYSTEMS REVIEWED WITH AND GIVEN TO OW ALL WORK SHALL BE SUBJECT TO FINAL INSPECTION BY THE CITY OF FRESNO BUILDING DEPARTMENT. . A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE AVAILABLE AT THE JOB SITE. MATERIALS DELIVERED TO THE CONSTRUCTION SITE SHALL BE PROTECTED FROM RAIN OR OTHER SOURCES OF

3. AN OPERATION AND MAINTENANCE MANUAL FOR ANY NEWLY INSTALLED EQUIPMENT, APPLIANCES, HVAC SYSTEM, PHOTOVOLTAIC SYSTEM, ELECTRIC VEHICLE CHARGERS, WATER HEATING SYSTEM, LANDSCAPE IRRIGATION AND OTHER MAJOR APPLIANCES AND EQUIPMENTS, SHALL BE PROVIDED IN THE BUILDING AT THE TIME OF FINAL

FIRE PROTECTION NOTES:

MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

- ALL BUILDING MATERIALS STORED AT THE CONSTRUCTION SITE AND/OR INSIDE THE BUILDING ARE TO BE SECURED IN A LOCKED AREA. ACCESS TO SUCH AREAS TO BE CONTROLLED BY THE OWNER AND/OR THE GENERAL
- ALL MATERIALS ARE TO BE STORED IN AN ORDERLY MANNER. ALL FLAMMABLE MATERIALS TO BE KEPT TIGHTLY SEALED IN THEIR RESPECTIVE CONTAINERS. SUCH MATERIALS
- ARE TO BE KEPT AWAY FROM ALL HEAT SOURCES. ALL FLAMMABLE MATERIALS TO BE USED AND STORED IN AN ADEQUATELY VENTILATED SPACE.
- ALL ELECTRICAL POWER TO BE SHUT OFF WHERE THERE IS EXPOSED CONDUIT. ALL ELECTRICAL POWER IN THE CONSTRUCTION AREA TO BE SHUT OFF AFTER WORKING HOURS. THE CONTRACTOR WILL AT ALL TIMES MAKE SURE THAT THERE IS NO LEAKAGE OF NATURAL GAS IN THE BUILDING, OR ANY FLAMMABLE GAS USED IN CONSTRUCTION.
- PROVIDE A CLASS A,B OR C FIRE-RETARDANT ROOF COVERING PER SECTION (R 902.1). ON SITE FIRE PROTECTION EQUIPMENT (SUCH AS EXTINGUISHER) WILL BE KEPT READILY AVAILABLE AT ALL TIMES. . IF FIRE SPRINKLER SYSTEM IS REQUIRED, FIRE SPRINKLER SYSTEM SHALL BE APPROVED BY CITY OF FRESNO FIRE DEPARTMENT PRIOR TO INSTALLATION.



PLANNING AND DEVELOPMENT DEPARTMENT FRESNO CITY HALL 2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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PROJECT:

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

REVISIONS

	NO.	DESCRIPTION	DATE
E IE	1	- TRUSS FRAMING OPTION FOR GABLE & CRAFTSMAN	08/22/23
EPT	2	- ONE HOUR RATED FIRE WALL FOR REDUCED SIDE OR REAR YARD SETBACK.	04/18/24
DAY, T			
ATE			

CITY USE ONLY

DRAWING TITLE

TITLE SHEET, PROJECT DATA, AND SITE PLAN

JOB# : TADU-003 **DATE:** 18-Apr-24 SCALE: AS NOTED DRAWN BY: IRG

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

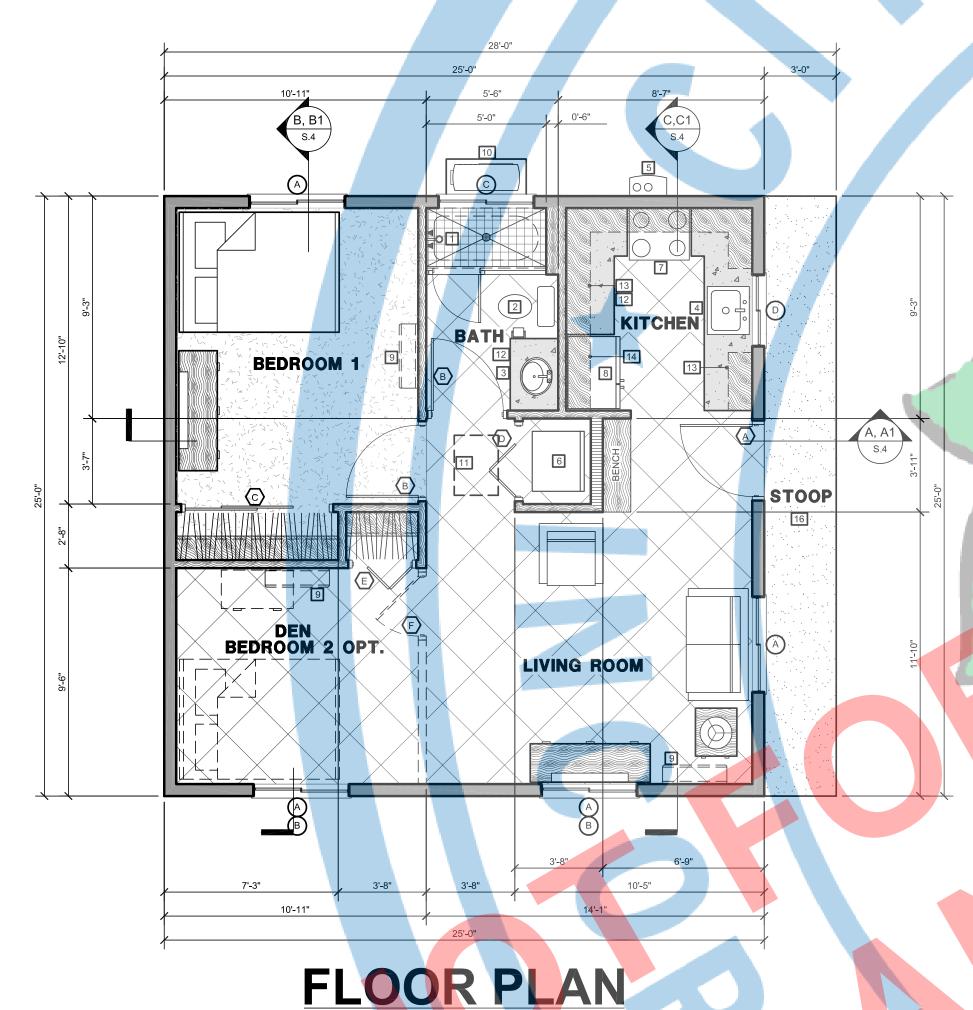
		AL WANDATON INLA					(INSPECTOR = I)	
GREEN BUILDING	Y N/A RESPON PARTY		N/A RESPO	DIVISION 4.5 ENVIRONMENTAL QUALITY SECTION 4.501 GENERAL	Y N/A RESPO		N/A RESPON. PARTY	* /
SECTION 301 GENERAL 301.1 SCOPE. BUILDINGS SHALL BE DESIGNED TO INCLUDE THE GREEN BUILDING MEASURES		TABLE H-2		4.501.1 SCOPE THE PROVISIONS OF THIS CHAPTER SHALL OUTLINE MEANS OF REDUCING THE QUALITY OF AIR CONTAMINANTS THAT ARE ODOROUS, IRRITATING AND/OR HARMFUL TO THE COMFORT AND WELL		GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS COATING CATEGORY VOC LIMIT	4.506 INDOOR AIR QUALITY AND EXHAUST 4.506.1 BATHROOM EXHAUST FANS. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING:	
SPECIFIED AS MANDATORY IN THE APPLICATION CHECKLISTS CONTAINED IN THIS CODE. VOLUNTARY GREEN BUILDING MEASURES ARE ALSO INCLUDED IN THE APPLICATION CHECKLISTS AND MAY BE INCLUDED IN THE DESIGN AND CONSTRUCTION OF STRUCTURES COVERED BY THIS		STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019		BEING OF A BUILDING'S INSTALLERS, OCCUPANTS AND NEIGHBORS. SECTION 4.502 DEFINITIONS		FLAT COATINGS 50 NON-FLAT COATINGS 100	FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS.	
CODE, BUT ARE NOT REQUIRED UNLESS ADOPTED BY A CITY, COUNTY, OR CITY AND COUNTY AS SPECIFIED IN SECTION 101.7. 301.1.1 ADDITIONS AND ALTERATIONS. [HCD] THE MANDATORY PROVISIONS OF CHAPTER 4		PRODUCT CLASS MAXIMUM FLOW RATE (GPM)		5.102.1 DEFINITIONS THE FOLLOWING TERMS ARE DEFINED IN CHAPTER 2 (AND ARE INCLUDED HERE FOR REFERENCE)		NONFLAT-HIGH GLOSS COATINGS 150	MUST BE CONTROLLED BY A HUMIDITY CONTROL. A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE LESS THAN OR EQUAL TO 50% TO A MAXIMUM OF 80%. A HUMIDITY	
SHALL BE APPLIED TO ADDITIONS OR ALTERATIONS OF EXISTING RESIDENTIAL BUILDINGS WHERE THE ADDITION OR ALTERATION INCREASES THE BUILDING'S CONDITIONED AREA,		[SPRAY FORCE IN OUNCE FORCE (OZF)] PRODUCT CLASS 1 (≤ 5.0 OZF) 1.00		AGRIFIBER PRODUCTS. AGRIFIBER PRODUCTS INCLUDE WHEATBOARD, STRAWBOARD, PANEL SUBSTRATES AND DOOR CORES, NOT INCLUDING FURNITURE, FIXTURES AND EQUIPMENT (FF&E) NOT CONSIDERED BASE BUILDING ELEMENTS.		SPECIALTY COATINGS ALUMINUM ROOF COATINGS 400	CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS	8
VOLUME, OR SIZE. THE REQUIREMENTS SHALL APPLY ONLY TO AND/OR WITHIN THE SPECIFIC AREA OF THE ADDITION OR ALTERATION.		PRODUCT CLASS 2 (> 5.0 OZF AND ≤ 8.0 OZF) 1.20 PRODUCT CLASS 3 (> 8.0 OZF) 1.28		COMPOSITE WOOD PRODUCTS. COMPOSITE WOOD PRODUCTS INCLUDE HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD. "COMPOSITE WOOD PRODUCTS" DOES NOT		BASEMENT SPECIALTY COATINGS 400 BITUMINOUS ROOF COATINGS 50	NOT REQUIRED TO BE INTEGRAL (I.E., BUILT-IN) NOTES: 1. FOR THE PURPOSES OF THIS SECTION, A BATHROOM IS A ROOM WHICH CONTAINS A	PATER
THE MANDATORY PROVISION OF SECTION 4.106.4.2 MAY APPLY TO ADDITIONS OR ALTERATIONS OF EXISTING PARKING FACILITIES OR THE ADDITION OF NEW PARKING FACILITIES SERVING EXISTING MULTIFAMILY BUILDINGS. SEE SECTION 4.106.4.3 FOR APPLICATION.		TITLE 20 SECTION 1605.3 (H)(4)(A): COMMERCIAL PRERINSE SPRAY VALUES MANUFACTURED ON OR		INCLUDE HARDBOARD, STRUCTURAL PLYWOOD, STRUCTURAL PANELS, STRUCTURAL COMPOSITE LUMBER, ORIENTED STRAND BOARD, GLUED LAMINATED TIMBER, PREFABRICATED WOOD I-JOISTS OR FINGER-JOINTED LUMBER, ALL AS SPECIFIED IN CALIFORNIA CODE OF REGULATIONS (CCR.), TITLE 17.		BITUMINOUS ROOF PRIMERS 350 BOND BREAKERS 350	BATHTUB, SHOWER OR TUB/SHOWER COMBINATION. 2. LIGHTING INTEGRAL TO BATHROOM EXHAUST FANS SHALL COMPLY WITH THE CALIFORNIA ENERGY CODE.	ALED
NOTE: REPAIRS INCLUDING, BUT NOT LIMITED TO, RESURFACING, RESTRIPING AND REPAIRING OR MAINTAINING EXISTING LIGHTING FIXTURES ARE NOT CONSIDERED ALTERATIONS FOR THE		AFTER JANUARY 1, 2006, SHALL HAVE A MINIMUM SPRAY FORCE OF NOT LESS THAN 4.0 OUNCES-FORCE (OZF)[113 GRAMS-FORCE(GF)]		SECTION 93120.1. DIRECT-VENT APPLIANCE, A FUEL-BURNING APPLIANCE WITH A SEALED COMBUSTION SYSTEM THAT		CONCRETE CURING COMPOUNDS 350 CONCRETE/MASONRY SEALERS 100	4.507 ENVIRONMENTAL COMFORT	
NOTE: ON AND AFTER JANUARY 1, 2014, RESIDENTIAL BUILDINGS UNDERGOING PERMITTED		4.303.2 SUBMETERS FOR MULTIFAMILY BUILDINGS AND DWELLING UNITS IN MIXED-USED RESIDENTIAL/COMMERCIAL BUILDINGS. SUBMETERS SHALL BE INSTALLED TO MEASURE WATER USAGE OF INDIVIDUAL RENTAL DWELLING		DRAWS ALL AIR FOR COMBUSTION FROM THE OUTSIDE ATMOSPHERE AND DISCHARGES ALL FLUE GASES TO THE OUTSIDE ATMOSPHERE. MAXIMUM INCREMENTAL REACTIVITY (MIR). THE MAXIMUM CHANGE IN WEIGHT OF OZONE FORMED BY		DRIVEWAY SEALERS 50 DRY FOG COATINGS 150	O OR C 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. HEATING AND AIR CONDITIONING SYSTEM SHALL BE SIZED, DESIGNED AND HAVE THEIR EQUIPMENT SELECTED USING THE FOLLOWING METHODS:	S PLANNING AND I DEPART
ALTERATIONS, ADDITIONS, OR IMPROVEMENTS SHALL REPLACE NONCOMPLIANT PLUMBING FIXTURES WITH WATER-CONSERVING PLUMBING FIXTURES. PLUMBING FIXTURE REPLACEMENT IS REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF FINAL COMPLETION,	■ O OR C	UNITS IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE.		ADDING A COMPOUND TO THE "BASE REACTIVE ORGANIC GAS (ROG) MIXTURE" PER WEIGHT OF COMPOUND ADDED, EXPRESSED TO HUNDREDTHS OF A GRAM (G 03/G ROC).		FAUX FINISHING COATINGS 350 FIRE RESISTIVE COATINGS 350	THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J - 20 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.	FRESNO CI
CERTIFICATE OF OCCUPANCY OR FINAL PERMIT APPROVAL BY THE LOCAL BUILDING DEPARTMENT. SEE CIVIL CODE SECTION 1101.1, ET SEQ., FOR THE DEFINITION OF A NONCOMPLIANT PLUMBING FIXTURE, TYPES OF RESIDENTIAL BUILDINGS AFFECTED AND	S L OORC	4.303.3 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE.		NOTE: MIR VALUES FOR INDIVIDUAL COMPOUNDS AND HYDROCARBON SOLVENTS ARE SPECIFIED IN CCR, TITLE 17, SECTIONS 94700 AND 94701.		FLOOR COATINGS 100 FORM-RELEASE COMPOUNDS 250	2. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D - 2014 (RESIDENTIAL DUC SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.	2600 FRESN THIRD F
OTHER IMPORTANT ENACTMENT DATES. 301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] THE		NOTE: THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS INCLUDED AS A CONVENIENCE FOR THE		MOISTURE CONTENT. THE WEIGHT OF THE WATER IN WOOD EXPRESSED IN PERCENTAGE OF THE WEIGHT OF THE OVEN-DRY WOOD.		GRAPHIC ARTS COATINGS (SIGN PAINTS) HIGH TEMPERATURE COATINGS 420	3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S - 2014 (RESIDENTIAL EQUIPMENT SELECTION), OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHOL EXCEPTION: USE OF ALTERNATE DESIGN TEMPERATURES NECESSARY TO ENSURE THE SYSTEM	S. FRESNO, CA.
PROVISIONS OF INDIVIDUAL SECTIONS OF CALGREEN MAY APPLY TO EITHER LOW-RISE RESIDENTIAL BUILDINGS HIGH-RISE RESIDENTIAL BUILDINGS, OR BOTH. INDIVIDUAL SECTIONS	4	TABLE - MAXIMUM FIXTURE WATER USE		PRODUCT-WEIGHTED MIR (PWMIR). THE SUM OF ALL WEIGHTED-MIR FOR ALL INGREDIENTS IN A PRODUCT SUBJECT TO THIS ARTICLE. THE PWMIR IS THE TOTAL PRODUCT REACTIVITY EXPRESSED TO HUNDREDTHS OF A GRAM OF OZONE FORMED PER GRAM OF PRODUCT (EXCLUDING CONTAINER AND	,	INDUSTRIAL MAINTENANCE COATINGS LOW SOLIDS COATINGS 120	CHAPTER 7	559-62° darm.building
WILL BE DESIGNATED BY BANNERS TO INDICATE WHERE THE SECTION APPLIES SPECIFICALLY TO LOW-RISE ONLY (LR) OR HIGH-RISE ONLY (HR). WHEN THE SECTION APPLIES TO BOTH LOW-RISE AND HIGH-RISE BUILDINGS, NO BANNER WILL BE USED.	A =	FIXTURE TYPE FLOW RATE SHOWER HEADS (RESIDENTIAL) 1.8 GMP @ 80 PSI		PACKAGING). NOTE: PWMIR IS CALCULATED ACCORDING TO EQUATIONS FOUND IN CCR, TITLE 17, SECTION 94521 (A)		MAGNESITE CEMENT COATINGS 450 MASTIC TEXTURE COATINGS 100	INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS	© 2023 CITY O
SECTION 302 MIXED OCCUPANCY BUILDINGS		LAVATORY FAUCETS (RESIDENTIAL) MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS 0.5 GPM @ 60 PSI		REACTIVE ORGANIC COMPOUND (ROC). ANY COMPOUND THAT HAS THE POTENTIAL, ONCE EMITTED, TO CONTRIBUTE TO OZONE FORMATION IN THE TROPOSPHERE. VOC. A VOLATILE ORGANIC COMPOUND (VOC) BROADLY DEFINED AS A CHEMICAL COMPOUND BASED		METALLIC PIGMENTED COATINGS 500 MULTICOLOR COATINGS 250	702 QUALIFICATIONS 1 0 ORC 702.1 INSTALLER TRAINING. HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIE	THESE DRAWINGS, DESIGNS SKETCH ARRANGEMENTS, AND OTHER INFORMA SOLE AND EXCLUSIVE PROPERTY OF C
302.1 MIXED OCCUPANCY BUILDINGS. IN MIXED OCCUPANCY BUILDINGS, EACH PORTION OF A BUILDING SHALL COMPLY WITH THE SPECIFIC GREEN BUILDING MEASURES APPLICABLE TO EACH SPECIFIC OCCUPANCY.		KITCHEN FAUCETS 1.8 GPM @ 60 PSI METERING FAUCETS 0.2 GAL/CYCLE		ON CARBON CHAINS OR RINGS WITH VAPOR PRESSURES GREATER THAN 0.1 MILLIMETERS OF MERCURY AT ROOM TEMPERATURE. THESE COMPOUNDS TYPICALLY CONTAIN HYDROGEN AND MAY	$\Pi D \lambda$	PRETREATMENT WASH PRIMERS 420 PRIMERS, SEALERS, & UNDERCOATERS 100	THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALL OR REGIONALLY RECOGNIZED TRAINING OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAPERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A	CONDITION THAT NEITHER THESE DO
EXCEPTIONS: 1. [HCD] ACCESSORY STRUCTURES AND ACCESSORY OCCUPANCIES SERVING RESIDENTIAL		WATER CLOSET 1.28 GAL/FLUSH URINALS 0.125 GAL/FLUSH		CONTAIN OXYGEN, NITROGEN AND OTHER ELEMENTS. SEE CCR TITLE 17, SECTION 94508(A). 4.503 FIREPLACES		REACTIVE PENETRATING SEALERS 350 RECYCLED COATINGS 250	PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS. EXAMPLES OF ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUBUT ARE NOT LIMITED TO THE FOLLOWING:	
BUILDINGS SHALL COMPLY WITH CHAPTER 4 AND APPENDIX A4, AS APPLICABLE. 2. [HCD] FOR PURPOSES OF CALGREEN, LIVE/WORK UNITS, COMPLYING WITH SECTION 419 OF THE CALIFORNIA BUILDING CODE, SHALL NOT BE CONSIDERED MIXED OCCUPANCIES.		4.304 OUTDOOR WATER USE 4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. RESIDENTIAL DEVELOPMENTS SHALL		4.503.1 GENERAL. ANY INSTALLED GAS FIREPLACE SHALL BE A DIRECT-VENT SEALED-COMBUSTION TYPE. ANY INSTALLED WOODSTOVE OR PELLET STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT		ROOF COATINGS 50 RUST PREVENTATIVE COATINGS 250	STATE CERTIFIED APPRENTICESHIP PROGRAMS. PUBLIC UTILITY TRAINING PROGRAMS.	PROJECT:
LIVE/WORK UNITS SHALL COMPLY WITH CHAPTER 4 AND APPENDIX A4, AS APPLICABLE. DIVISION 4.1 PLANNING AND DESIGN	OORC	COMPLY WITH A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO),		LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS. WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL ALSO COMPLY WITH APPLICABLE LOCAL ORDINANCES.		SHELLACS CLEAR 730	3. TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATEWIDE ENERGY CONSULTING VERIFICATION ORGANIZATIONS. 4. PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS.	ACCES
ABBREVIATION DEFINITIONS: HCD DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT		WHICHEVER IS MORE STRINGENT. NOTES: 1. THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) IS LOCATED IN THE CALIFORNIA	0 OR 0	4.504 POLLUTANT CONTROL 4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING		OPAQUE 550 SPECIALTY PRIMERS, SEALERS & UNDERCOATERS 100	5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY. 7.02.2 SPECIAL INSPECTION (HCD), WHEN REQUIRED BY THE ENFORCING AGENCY THE	ACCES
BSC CALIFORNIA BUILDING STANDARDS COMMISSION DSA-SS DIVISION OF THE STATE ARCHITECT, STRUCTURAL SAFETY OSHPD OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT		CODE REGULATIONS, TITLE 23, CHAPTER 2.7, DIVISION 2. MWELO AND SUPPORTING DOCUMENTS, INCLUDING WATER BUDGET CALCULATOR, ARE AVAILABLE AT: HTTPS://WWW.WATER.CA.GOV/		CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION, DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE,		STONE CONSOLIDANTS 450	OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MOR SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE	DWEL
LR LOW RISE HR HIGH RISE		DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY		PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF WATER, DUST OR DEBRIS WHICH MAY ENTER THE SYSTEM.		SWIMMING POOL COATINGS TRAFFIC MARKING COATINGS 100	COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO PERFORMED. IN ADDITION TO OTHER CERTIFICATIONS OR QUALIFICATIONS ACCEPTABLE TO THE	
AA ADDITIONS AND ALTERATIONS N NEW CHAPTER 4	O OR C	4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE 4.406.1 RODENT PROOFING. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR	0 OR 0	- SECTION		TUB & TILE REFINISH COATINGS 420 WATERPROOFING MEMBRANES 250 WOOD COATINGS	ENFORCING AGENCY, THE FOLLOWING CERTIFICATIONS OR EDUCATION MAY BE CONSIDERED BY THE ENFORCING AGENCY WHEN EVALUATING THE QUALIFICATIONS OF A SPECIAL INSPECTOR: 1. CERTIFICATION BY A NATIONAL OR REGIONAL GREEN BUILDING PROGRAM OR STANDARD	UN
RESIDENTIAL MANDATORY MEASURES		OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH—OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.		PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS UNLESS MORE STRINGENT LOCAL OR REGIONAL AIR POLLUTION OR AIR QUALITY MANAGEMENT DISTRICT RULES APPLY:		WOOD COATINGS WOOD PRESERVATIVES ZINC-RICH PRIMERS 340	PUBLISHER. 2. CERTIFICATION BY A STATEWIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATION, SU	
SECTION 4.102 DEFINITIONS 4.102.1 DEFINITIONS THE FOLLOWING TERMS ARE DEFINED IN CHAPTER 2 (AND ARE INCLUDED HERE FOR REFERENCE)		4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING		APPLY: 1. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL		2INC-RICH PRIMERS 1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS 2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT	AS HERS RATERS, BUILDING PERFORMANCE CONTRACTORS, AND HOME ENERGY AUDITORS. 3. SUCCESSFUL COMPLETION OF A THIRD PARTY APPRENTICE TRAINING PROGRAM IN THE APPROPRIATE TRADE.	(TADU
FRENCH DRAIN. A TRENCH, HOLE OR OTHER DEPRESSED AREA LOOSELY FILLED WITH ROCK, GRAVEL, FRAGMENTS OF BRICK OR SIMILAR PERVIOUS MATERIAL USED TO COLLECT OR CHANNEL DRAINAGE	J J J J J J J J J J J J J J J J J J J	4.408.1 CONSTRUCTION WASTE MANAGEMENT. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH EITHER SECTION 4.408.2, 4.408.3 OR 4.408.4, OR MEET A MORE STRINGENT LOCAL CONSTRUCTION		OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLE 4.504.1 OR 4.504.2, AS APPLICABLE. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC		COLUMNS IN THE TABLE. 3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008, MORE INFORMATION	4. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY. NOTES: 1. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST	
OR RUNOFF WATER. WATTLES. WATTLES ARE USED TO REDUCE SEDIMENT IN RUNOFF. WATTLES ARE OFTEN		AND DEMOLITION WASTE MANAGEMENT ORDINANCE. EXCEPTIONS: 1. EXCAVATED SOIL AND LAND-CLEARING DEBRIS.		COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS, AS SPECIFIED IN SUBSECTION 2 BELOW.		IS AVAILABLE FROM THE AIR RESOURCES BOARD.	THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CO 2. HERS RATERS ARE SPECIAL INSPECTORS CERTIFIED BY THE CALIFORNIA ENERGY	
CONSTRUCTED OF NATURAL PLANT MATERIALS SUCH AS HAY, STRAW OR SIMILAR MATERIAL SHAPED IN THE FORM OF TUBES AND PLACED ON A DOWNFLOW SLOPE. WATTLES ARE ALSO USED FOR PERIMETER AND INLET CONTROLS.		 ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST OR ARE NOT LOCATED REASONABLY CLOSE TO THE JOBSITE. 		2. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH	\mathbb{I}	TABLE 4.504.5 - FORMALDEHYDE LIMITS1 MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	COMMISSION (CEC) TO RATE HOMES IN CALIFORNIA ACCORDING TO THE HOME ENERGY RATING SYSTEM (HERS).	
4.106 SITE DEVELOPMENT 4.106.1 GENERAL. PRESERVATION AND USE OF AVAILABLE NATURAL RESOURCES SHALL BE		THE ENFORCING AGENCY MAY MAKE EXCEPTIONS TO THE REQUIREMENTS OF THIS SECTION WHEN ISOLATED JOBSITES ARE LOCATED IN AREAS BEYOND THE HAUL BOUNDARIES OF THE		MORE THAN 1 POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF	15	PRODUCT HARDWOOD PLYWOOD VENEER CORE 0.05	[BSC] WHEN REQUIRED BY THE ENFORCING AGENCY, THE OWNER OR THE RESPONSIBLE ENTITY AC AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECT OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECT	ON
ACCOMPLISHED THROUGH EVALUATION AND CAREFUL PLANNING TO MINIMIZE NEGATIVE EFFECTS ON THE SITE AND ADJACENT AREAS. PRESERVATION OF SLOPES, MANAGEMENT OF STORM WATER	O OR C	THE CONTROL OF THE WAR TO CAME.	0 OR (REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507. 4.504.2.2 PAINTS AND COATINGS. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS IN TABLE 1 OF THE ARB ARCHITECTURAL SUGGESTED CONTROL MEASURE, AS SHOWN		HARDWOOD PLYWOOD VENEER CORE HARDWOOD PLYWOOD COMPOSITE CORE PARTICLE BOARD 0.05 0.09	SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. IN ADDITION, THE SPECIAL INSPECTION SHALL HAVE A CERTIFICATION FROM A RECOGNIZED STATE, NATIONAL OR INTERNATIONAL	OR
DRAINAGE AND EROSION CONTROLS SHALL COMPLY WITH THIS SECTION. 4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF		PLAN IN CONFORMANCE WITH ITEMS 1 THROUGH 5. THE CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE AVAILABLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY.		IN TABLE 4.504.3, UNLESS MORE STRINGENT LOCAL LIMITS APPLY. THE VOC CONTENT LIMIT FOR COATINGS THAT DO NOT MEET THE DEFINITIONS FOR THE SPECIALTY COATINGS CATEGORIES LISTED IN TABLE 4.504.3 SHALL BE DETERMINED BY CLASSIFYING THE COATING AS A FLAT.		MEDIUM DENSITY FIBERBOARD THIN MEDIUM DENSITY FIBERBOARD 0.11 0.13	ASSOCIATION, AS DETERMINED BY THE LOCAL AGENCY. THE AREA OF CERTIFICATION SHALL BE CLOSELY RELATED TO THE PRIMARY JOB FUNCTION, AS DETERMINED BY THE LOCAL AGENCY.	
DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION. IN ORDER TO MANAGE STORM WATER DRAINAGE DURING		IDENTIFY THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE. SPECIFY IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE SORTED ON-SITE.		NONFLAT OR NONFLAT-HIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUBSECTIONS 4.21, 4.36, AND 4.37 OF THE 2007 CALIFORNIA AIR RESOURCES BOARD, SUGGESTED CONTROL		1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333.	NOTE: SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.	V
CONSTRUCTION, ONE OR MORE OF THE FOLLOWING MEASURES SHALL BE IMPLEMENTED TO PREVENT FLOODING OF ADJACENT PROPERTY, PREVENT EROSION AND RETAIN SOIL RUNOFF ON THE SITE. 1. RETENTION BASINS OF SUFFICIENT SIZE SHALL BE UTILIZED TO RETAIN STORM WATER ON THE		(SOURCE SEPARATED) OR BULK MIXED (SINGLE STREAM). 3. IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND DEMOLITION WASTE	OOR	MEASURE, AND THE CORRESPONDING FLAT, NONFLAT OR NONFLAT-HIGH GLOSS VOC LIMIT IN TABLE 4.504.3 SHALL APPLY. 4.504.2.3 AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET THE		FOR ADDITIONAL INFORMATION, SEE CALIF. CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12. 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8 MM).	703 VERIFICATIONS 703.1 DOCUMENTATION. DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS CODE	
SITE. 2. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, COLLECTION POINT, GUTTER OR SIMILAR DISPOSAL METHOD, WATER SHALL BE FILTERED BY USE OF A BARRIER		MATERIAL COLLECTED WILL BE TAKEN. 4. IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE GENERATED.		PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(2) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES, IN SECTIONS 94522(E)(1) AND (F)(1) OF CALIFORNIA CODE OF REGULATIONS, TITLE	☑ □ 0 0R 0	4.504.3 CARPET SYSTEMS. ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH. "STANDARD METHOD FOR THE	SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUI OR INSTALLER CERTIFICATION, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH DEMONSTRATE SUBSTANTIAL CONFORMANCE. WHEN SPECIFIC	DER
SYSTEM, WATTLE OR OTHER METHOD APPROVED BY THE ENFORCING AGENCY. 3. COMPLIANCE WITH A LAWFULLY ENACTED STORM WATER MANAGEMENT ORDINANCE.		5. SPECIFY THAT THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH.		17, COMMENCING WITH SECTION 94520; AND IN AREAS UNDER THE JURISDICTION OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8. RULE 49.		TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350)	DOCUMENTATION OR SPECIAL INSPECTION IS NECESSARY TO VERIFY COMPLIANCE, THAT METHOD COMPLIANCE WILL BE SPECIFIED IN THE APPROPRIATE SECTION OR IDENTIFIED APPLICABLE CHECK	
NOTE: REFER TO THE STATE WATER RESOURCES CONTROL BOARD FOR PROJECTS WHICH DISTURB ONE ACRE OR MORE OF SOIL, OR ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE OF SOIL.	O OR C	4.408.3 WASTE MANAGEMENT COMPANY. UTILIZE A WASTE MANAGEMENT COMPANY, APPROVED BY THE ENFORCING AGENCY, WHICH CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION AND DEMOLITION WASTE MATERIAL DIVERTED FROM THE LANDFILL COMPLIES		4.504.2.4 VERIFICATION. VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY. DOCUMENTATION MAY INCLUDE, BUT IS NOT		SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND	GREEN BUILDING STANDARDS: 1. PROVIDE CERTIFICATION FOR THE FOLLOWING CALGREEN COMPONENTS, DOCUMENTATION SHA	
(WEBSITE: HTTPS://WWW.WATERBOARDS.CA.GOV/WATER_ISSUES/PROGRAMS/STORMWATER/CONSTRUCTION.HTML)		WITH SECTION 4.408.1. NOTE: THE OWNER OR CONTRACTOR MAY MAKE THE DETERMINATION IF THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE DIVERTED BY A WASTE MANAGEMENT COMPANY.		LIMITED TO, THE FOLLOWING: 1. MANUFACTURER'S PRODUCT SPECIFICATION. 2. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS.	☑ □ 0 0R 0		BE REQUIRED PRIOR TO CITY INSPECTIONS AS NOTED BELOW: A) INDOOR WATER USE (FINAL INSPECTION)	REVI
4.106.3 GRADING AND PAVING. CONSTRUCTION PLANS SHALL INDICATE HOW THE SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS. EXAMPLES OF METHODS TO MANAGE SURFACE WATER INCLUDE, BUT ARE NOT LIMITED	O OR C	4.408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]. PROJECTS THAT GENERATE A TOTAL		TABLE 4.504.1 - ADHESIVE VOC LIMIT _{1,2} (LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER)		MEET THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017	B) MOISTURE CONTENT OF BUILDING MATERIALS BY THIRD PARTY SPECIAL INSPECTOR (INSULATION INSPECTION) C) ADHESIVE AND SEALANT VOC (FINAL INSPECTION)	NO. DESCRIPTION
TO, THE FOLLOWING: 1. SWALES		DO NOT EXCEED 3.4 LBS./SQ.FT.OF THE BUILDING AREA SHALL MEET THE MINIMUM 65% CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION 4.408.1		ARCHITECTURAL APPLICATIONS VOC LIMIT		(EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350) SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS	D) PAINTS AND COATINGS VOC LIMITS (FINAL INSPECTION) E) COMPOSITE WOOD PRODUCTS (FRAME INSPECTION) F) CARPET AND FLOORING CERTIFICATION (FINAL INSPECTION)	
2. WATER COLLECTION AND DISPOSAL SYSTEMS 3. FRENCH DRAINS 4. WATER RETENTION GARDENS		4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE. PROJECTS THAT GENERATE A TOTAL COMBINED WEIGHT OF CONSTRUCTION AND DEMOLITION WASTE DISPOSED OF IN LANDFILLS, WHICH DO NOT EXCEED 2 POUNDS PER SQUARE FOOT OF THE BUILDING AREA, SHALL MEET THE		INDOOR CARPET ADHESIVES 50 CARPET PAD ADHESIVES 50		AND TESTING LABS. HTTPS://WWW.CDPH.CA.GOV/PROGRAMS/CCDPHP/DEODC/EHLB/IAQ/PAGES/VOC.ASPX.		
5. OTHER WATER MEASURES WHICH KEEP SURFACE WATER AWAY FROM BUILDINGS AND AID IN GROUNDWATER RECHARGE. EXCEPTION: ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.	M □ OORC	MINIMUM 65% CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION 4.408.1 4.408.5 DOCUMENTATION. DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH		OUTDOOR CARPET ADHESIVES 150 WOOD FLOORING ADHESIVES 100	⊠ □ 0 0R 0	4.504.3.2 CARPET ADHESIVE. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 4.504.1.		
DIVISION 4.2 ENERGY EFFICIENCY 4.201 GENERAL		DEMONSTRATES COMPLIANCE WITH SECTION 4.408.2, ITEMS 1 THROUGH 5, SECTION 4.408.3 OR SECTION 4.408.4		RUBBER FLOOR ADHESIVES 60 SUBFLOOR ADHESIVES 50	⊠ □ 0 0R 0	FLOOR AREA RECEIVING RESILIENT FLOORING SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA		
4.201.1 SCOPE. FOR THE PURPOSES OF MANDATORY ENERGY EFFICIENCY STANDARDS IN THIS CODE, THE CALIFORNIA ENERGY COMMISSION WILL CONTINUE TO ADOPT MANDATORY STANDARDS.		NOTES: 1. SAMPLE FORMS FOUND IN "A GUIDE TO THE CALIFORNIA GREEN BUILDING STANDARDS CODE (RESIDENTIAL)" LOCATED AT WWW.HCD.CA.GOV/CALGREEN.HTML MAY BE USED TO ASSIST IN		CERAMIC TILE ADHESIVES 65 VCT & ASPHALT TILE ADHESIVES 50 DRYWALL & PANEL ADHESIVES 50		DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION		
DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION 4.303 INDOOR WATER USE		DOCUMENTING COMPLIANCE WITH THIS SECTION. 2. MIXED CONSTRUCTION AND DEMOLITION DEBRIS (C & D) PROCESSORS CAN BE LOCATED AT THE CALIFORNIA DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY (CALRECYCLE).		COVE BASE ADHESIVES 50 MULTIPURPOSE CONSTRUCTION ADHESIVE 70		01350) SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND		
4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE		4.410 BUILDING MAINTENANCE AND OPERATION		STRUCTURAL GLAZING ADHESIVES SINGLE-PLY ROOF MEMBRANE ADHESIVES 250		TESTING LABS. HTTPS://WWW.CDPH.CA.GOV/PROGRAMS/CCDPHP/DEODC/EHLB/IAQ/PAGES/VOC.ASPX.		CITY U
SECTIONS 4.303.1.1, 4.303.1.2, 4.303.1.3, AND 4.303.4.4. NOTE: ALL NONCOMPLIANT PLUMBING FIXTURES IN ANY RESIDENTIAL REAL PROPERTY SHALL BE REPLACED WITH WATER-CONSERVING PLUMBING FIXTURES. PLUMBING FIXTURE REPLACEMENT IS	O OR C	COMPACT DISC, WEB-BASED REFERENCE OR OTHER MEDIA ACCEPTABLE TO THE ENFORCING AGENCY WHICH INCLUDES ALL OF THE FOLLOWING SHALL BE PLACED IN THE BUILDING:		OTHER ADHESIVES NOT LISTED 50	⊠ □ 0 0R 0	4.504.5 COMPOSITE WOOD PRODUCTS. HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIRE REPORT COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE		
REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF FINAL COMPLETION, CERTIFICATE OF OCCUPANCY, OR FINAL PERMIT APPROVAL BY THE LOCAL BUILDING DEPARTMENT. SEE CIVIL CODE SECTION 1101.1, ET SEQ., FOR THE DEFINITION OF A NONCOMPLIANT PLUMBING FIXTURE,		DIRECTIONS TO THE OWNER OR OCCUPANT THAT THE MANUAL SHALL REMAIN WITH THE BUILDING THROUGHOUT THE LIFE CYCLE OF THE STRUCTURE. OPERATION AND MAINTENANCE INSTRUCTIONS FOR THE FOLLOWING:		SPECIALTY APPLICATIONS PVC WELDING 510	111	BUILDINGS SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.), BY OR BEFORE THE DATES SPECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE 4.504.5		
TYPES OF RESIDENTIAL BUILDINGS AFFECTED AND OTHER IMPORTANT ENACTMENT DATES.		A. EQUIPMENT AND APPLIANCES, INCLUDING WATER-SAVING DEVICES AND SYSTEMS, HVAC SYSTEMS, PHOTOVOLTAIC SYSTEMS, ELECTRIC VEHICLE CHARGERS, WATER-HEATING SYSTEMS AND OTHER MAJOR APPLIANCES AND EQUIPMENT.		CPVC WELDING 490 ABS WELDING 325	⊠ □ 0 0R 0	4.504.5.1 DOCUMENTATION. VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AS REQUESTED BY THE ENFORCING AGENCY. DOCUMENTATION SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING:		
4.303.1.1 WATER CLOSETS. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.		B. ROOF AND YARD DRAINAGE, INCLUDING GUTTERS AND DOWNSPOUTS. C. SPACE CONDITIONING SYSTEMS, INCLUDING CONDENSERS AND AIR FILTERS.		PLASTIC CEMENT WELDING 250 ADHESIVE PRIMER FOR PLASTIC 550	_	PRODUCT CERTIFICATIONS AND SPECIFICATIONS. CHAIN OF CUSTODY CERTIFICATIONS.		
NOTE : THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.		D. LANDSCAPE IRRIGATION SYSTEMS. E. WATER REUSE SYSTEMS. 3. INFORMATION FROM LOCAL UTILITY, WATER AND WASTE RECOVERY PROVIDERS ON METHODS		CONTACT ADHESIVE 80 SPECIAL PURPOSE CONTACT ADHESIVE 250	_	 PRODUCT LABELED AND INVOICED AS MEETING THE COMPOSITE WOOD PRODUCTS REGULATION (SEE CCR, TITLE 17, SECTION 93120, ET SEQ.). EXTERIOR GRADE PRODUCTS MARKED AS MEETING THE PS-1 OR PS-2 STANDARDS OF 		
4.303.1.2 URINALS. THE EFFECTIVE FLUSH VOLUME OF WALL MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH. THE EFFECTIVE FLUSH VOLUME OF ALL OTHER URINALS SHALL NOT		TO FURTHER REDUCE RESOURCE CONSUMPTION, INCLUDING RECYCLE PROGRAMS AND LOCATIONS. 4. PUBLIC TRANSPORTATION AND/OR CARPOOL OPTIONS AVAILABLE IN THE AREA.		STRUCTURAL WOOD MEMBER ADHESIVE 140 TOP & TRIM ADHESIVE 250		THE ENGINEERED WOOD ASSOCIATION, THE AUSTRALIAN AS/NZS 2269, EUROPEAN 636 3S STANDARDS, AND CANADIAN CSA 0121, CSA 0151, CSA 0153 AND CSA 0325 STANDARDS. 5. OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY.		
EXCEED 0.5 GALLONS PER FLUSH. 4.303.1.3 SHOWERHEADS. 4.303.1.3.1 SINGLE SHOWERHEAD. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT		PUBLIC TRANSPORTATION AND/OR CARPOOL OF HONS AVAILABLE IN THE AREA. EDUCATIONAL MATERIAL ON THE POSITIVE IMPACTS OF AN INTERIOR RELATIVE HUMIDITY BETWEEN 30-60 PERCENT AND WHAT METHODS AN OCCUPANT MAY USE TO MAINTAIN THE RELATIVE HUMIDITY LEVEL IN THAT RANGE.		SUBSTRATE SPECIFIC APPLICATIONS METAL TO METAL 30		4.505 INTERIOR MOISTURE CONTROL 4.505.1 GENERAL. BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF THE CALIFORNIA		
MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.		INFORMATION ABOUT WATER-CONSERVING LANDSCAPE AND IRRIGATION DESIGN AND CONTROLLERS WHICH CONSERVE WATER.		PLASTIC FOAMS 50 POROUS MATERIAL (EXCEPT WOOD) 50	■ O OR O	BUILDING STANDARDS CODE. 4.505.2 CONCRETE SLAB FOUNDATIONS. CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A		
4.303.1.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE		 7. INSTRUCTIONS FOR MAINTAINING GUTTERS AND DOWNSPOUTS AND THE IMPORTANCE OF DIVERTING WATER AT LEAST 5 FEET AWAY FROM THE FOUNDATION. 8. INFORMATION ON REQUIRED ROUTINE MAINTENANCE MEASURES, INCLUDING, BUT NOT LIMITED 		WOOD 30 FIBERGLASS	- OORG	TABLE SEAS FOUNDATIONS. CONCRETE SEAS FOUNDATIONS REQUIRED TO TIAVE A VAPOR RETARDER BY CALIFORNIA BUILDING CODE, CHAPTER 19, OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY THE CALIFORNIA RESIDENTIAL CODE, CHAPTER 5. SHALL ALSO COMPLY WITH THIS SECTION.		
AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME.		TO, CAULKING, PAINTING, GRADING AROUND THE BUILDING, ETC. 9. INFORMATION ABOUT STATE SOLAR ENERGY AND INCENTIVE PROGRAMS AVAILABLE. 10. A COPY OF ALL SPECIAL INSPECTIONS VERIFICATIONS REQUIRED BY THE ENFORCING AGENCY		1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.	⊠ □ 0 0R 0	4.505.2.1 CAPILLARY BREAK. A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING:		
NOTE: A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD. 4.303.1.4 FAUCETS.		OR THIS CODE. 11. INFORMATION FROM THE DEPARTMENT OF FORESTRY AND FIRE PROTECTION ON MAINTENANCE		2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.		1. A 4-INCH (101.6 MM) THICK BASE OF 1/2 INCH (12.7MM) OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE, AND CURLING,		
4.303.1.4.1 RESIDENTIAL LAVATORY FAUCETS. THE MAXIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE AT 60 PSI. THE MINIMUM FLOW RATE OF		OF DEFENSIBLE SPACE AROUND RESIDENTIAL STRUCTURES. 12. INFORMATION AND/OR DRAWINGS IDENTIFYING THE LOCATION OF GRAB BAR REINFORCEMENTS.		TABLE 4.504.2 - SEALANT VOC LIMIT (LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER)		SHALL BE USED. FOR ADDITIONAL INFORMATION, SEE AMERICAN CONCRETE INSTITUTE, ACI 302.2R-06. 2. OTHER EQUIVALENT METHODS APPROVED BY THE ENFORCING AGENCY.		DRAWING TITLE
4.303.1.4.2 LAVATORY FAUCETS IN COMMON AND PUBLIC USE AREAS. THE MAXIMUM FLOW RATE OF	O OR C	4.410.2 RECYCLING BY OCCUPANTS. WHERE 5 OR MORE MULTIFAMILY DWELLING UNITS ARE CONSTRUCTED ON A BUILDING SITE, PROVIDE READILY ACCESSIBLE AREA(S) THAT SERVES ALL BUILDINGS ON THE SITE AND ARE IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF		SEALANTS VOC LIMIT		3. A SLAB DESIGN SPECIFIED BY A LICENSED DESIGN PROFESSIONAL.		
LAVATORY FAUCETS INSTALLED IN COMMON AND PUBLIC USE AREAS (OUTSIDE OF DWELLINGS OR SLEEPING UNITS) IN RESIDENTIAL BUILDINGS SHALL NOT EXCEED 0.5 GALLONS PER MINUTE AT 60 PSI.		NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS, ORGANIC WASTER, AND METALS, OR MEET A LAWFULLY ENACTED		ARCHITECTURAL 250 MARINE DECK 760	⊠ □ 0 0R 0	OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19 PERCENT MOISTURE CONTENT. MOISTURE		2022 CA
4.303.1.4.3 METERING FAUCETS. METERING FAUCETS WHEN INSTALLED IN RESIDENTIAL BUILDINGS SHALL NOT DELIVER MORE THAN 0.2 GALLONS PER CYCLE.		LOCAL RECYCLING ORDINANCE, IF MORE RESTRICTIVE. EXCEPTION: RURAL JURISDICTIONS THAT MEET AND APPLY FOR THE EXEMPTION IN PUBLIC RESOURCES CODE SECTION 4649.82 (A)(2)(A) ET SEQ. ARE NOTE REQUIRED TO COMPLY WITH THE		NONMEMBRANE ROOF ROADWAY 250		CONTENT SHALL BE VERIFIED IN COMPLIANCE WITH THE FOLLOWING: 1. MOISTURE CONTENT SHALL BE DETERMINED WITH EITHER A PROBE-TYPE OR CONTACT-TYPE MOISTURE METER.EQUIVALENT MOISTURE VERIFICATION METHODS MAY BE		GREEN
4.303.1.4.4 KITCHEN FAUCETS. THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM PATE BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI. AND MUST.		ORGANIC WASTE PORTION OF THIS SECTION.		SINGLE-PLY ROOF MEMBRANE 450 OTHER 420		APPROVED BY THE ENFORCING AGENCY AND SHALL SATISFY REQUIREMENTS FOUND IN SECTION 101.8 OF THIS CODE.		STANDAF
ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI. NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE				SEALANT PRIMERS ARCHITECTURAL		 MOISTURE READINGS SHALL BE TAKEN AT A POINT 2 FEET (610 MM) TO 4 FEET (1219 MM) FROM THE GRADE STAMPED END OF EACH PIECE VERIFIED. AT LEAST THREE RANDOM MOISTURE READINGS SHALL BE PERFORMED ON WALL AND 		
USED TO ACHIEVE REDUCTION. 4.303.1.4.5 PRE-RINSE SPRAY VALVES.				NON-POROUS 250 POROUS 775		FLOOR FRAMING WITH DOCUMENTATION ACCEPTABLE TO THE ENFORCING AGENCY PROVIDED AT THE TIME OF APPROVAL TO ENCLOSE THE WALL AND FLOOR FRAMING.		JOB# : TADU-003 SHEET
WHEN INSTALLED, SHALL MEET THE REQUIREMENTS IN THE <i>CALIFORNIA CODE OF REGULATIONS</i> , TITLE 20 (APPLIANCE EFFICIENCY REGULATIONS), SECTIONS 1605.1 (H)(4) TABLE H-2, SECTION 1605.3				MODIFIED BITUMINOUS 500 MARINE DECK 760	7	INSULATION PRODUCTS WHICH ARE VISIBLY WET OR HAVE A HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES.		DATE: 13-Apr-23 SCALE: AS NOTED
(H)(4)(A), AND SECTION 1607(D)(7) AND SHALL BE EQUIPPED WITH AN INTEGRAL AUTOMATIC SHUTOFF.	1 1			OTHER 750	⊣	WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.	1 1 1 1	SOME HONOTED

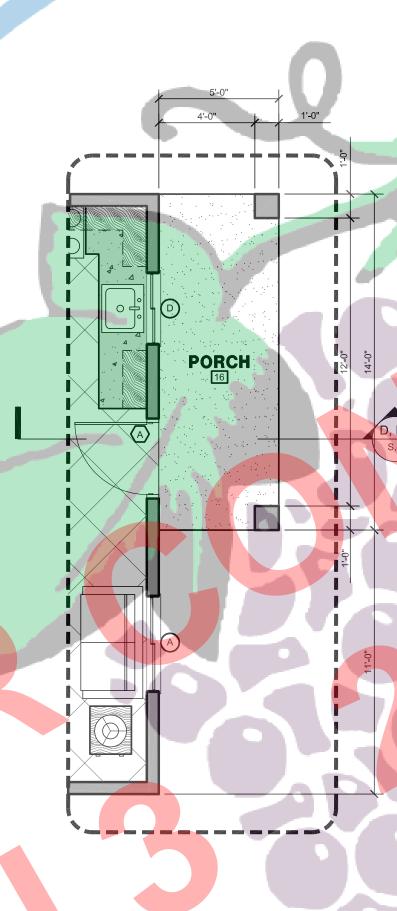
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	REVISIONS											
NO.	DESCRIPTION	DATE										
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	CITY USE ONLY											

FORNIA ILDING CODE





FLOOR PLAN

FINISH SCHEDULE:

	ROOM NAME	FLOC	RING	B/	ASE	WA	LLS	CEIL	ING	CEILING	DETAIL OR COMMENT
ı	TOOM WAIVE	F1	F2	B1	B2	W1	W2	C1	C2	HEIGHT	DETAIL OR COMMENT
ı	BEDROOM 1		0		0	0		0		8'-0"	1
	BATH		0		0	0		0		8'-0"	
	KITCHEN		0		0	0		0		8'-0"	
	LIVING ROOM		0		0	0		0		8'-0"	1
	DEN/BEDROOM 2 OPT.		0		•	•		•		8'-0"	1

ABBREVIATIONS FLOORING

B1 = NO BASE BOARD F2 = PER OWNER PROVIDE MAKE, MODEL, AND FINISH B2 = PER OWNER PROVIDE MAKE, MODEL, AND FINISH SAMPLE TO OWNER PRIOR TO INSTALLATION.

/1 = 1/2" GYPSUM BOARD, TAPED AND TEXTURED, READY FOR OWNER TO APPLY PAINT. /2 = 5/8" TYPE 'X' GYPSUM BOARD, TAPED AND TEXTURED, READY FOR OWNER TO APPLY PAINT.

+48" A.F.F. (BASE COUNTER)

= 1/2" GYP<mark>SUM BO</mark>AR<mark>D, TAP</mark>ED AND TEXTURE<mark>D, READ</mark>Y FOR OWNER TO APPLY PAINT 2 = 5/8" TYPE 'X' GYPSUM BOARD, TAPED AND TEXTURED, READY FOR OWNER TO APPLY PAINT. DETAIL OR COMMENT

VAULTED CEILING AT CONTEMPORARY OPTION.

FINISH NOTES

ALL INTERIOR SURFACES TO BE FLAME SPREAD CLASS 50.
LINEN CLOSET: CABINET DESIGN AND SAMPLE MATERIALS SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR FABRICATING AND INSTALLATION. CLOSET POLES SHALL BE 1-1/8" DIAMETER SANDED W/POLE SOCKET AT WALLS MOUNTED AT ALL THE FOLLOWING SINGLE POLE HEIGHTS +68"

DOUBLE POLE HEIGHTS +40" (LOW) + 80" (HIGH)

CLOSET SHELVES SHALL BE 3/4" THICK PARTICLE BOARD W/ MEDIUM DENSITY OVERLAY AT ALL EXPOSED EDGES, SHELF AND CLOSET POLE SUPPORT AT MID-SPAN ON ALL SHELVES OVER 4"-0" LONG. PANTRY/SHEVLES: CABINET DESIGN AND SAMPLE MATERIALS SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO FABRICATING AND INSTALLATION. BASE AND UPPER CABINETS: CABINET DESIGN AND SAMPLE MATERIALS/HARDWARE SHALL BE SUBMITTED TO OWNE FOR APPROVAL PRIOR TO FABRICATING AND INSTALLATION.
BOTTOM OF CABINET: +48" A.F.F. (WASHER & DRYER) +72" A.F.F. (REFRIGERATOR)

COUNTER TOPS: VERIFY FINISH WITH OWNER, SAMPLES SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TINSTALLATION.

AGING-IN-PLACE DESIGN & FALL PREVENTION

REINFORCEMENT FOR GRAB BARS: AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CRC SECTION R327.1.1. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE CITY OF B. REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH NOMINAL LUMBER. [11/2 INCH BY 71/4 INCH ACTUAL DIMENSION] OR OTHER CONSTRUCTION MATERIAL PROVIDING EQUAL HEIGHT AND LOAD CAPACITY.

FLUSH WITH THE WALL FRAMING C. WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.

REINFORCEMENT SHALL BE LOCATED BETWEEN 32 INCHES AND 39 1/4 INCHES ABOVE THE FINISHED FLOOR

D. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. E. BATHTUB AND COMBINATION BATHTUB/SHOWER REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES ABOVE THE BATHTUB RIM

WHERE THE WATER CLOSET IS NOT PLACED ADJACENT TO A SIDE WALL CAPABLE OF ACCOMMODATING A GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY OR

SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS APPROVED BY THE CITY OF FRESNO. REINFORCEMENT SHALL NOT BE REQUIRED IN WALL FRAMING FOR PRE-FABRICATED SHOWER ENCLOSURES AND BATHTUB WALL PANELS WITH INTEGRAL FACTORY- INSTALLED GRAB BARS OR WHEN FACTORY-INSTALLED REINFORCEMENT FOR GRAB BARS IS PROVIDED. SHOWER ENCLOSURES THAT DO NOT PERMIT INSTALLATION OF REINFORCEMENT AND/OR GRAB BARS SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCING AGENCY BATHTUBS WITH NO SURROUNDING WALLS, OR WHERE WALL PANELS DO NOT PERMIT THE INSTALLATION OF REINFORCEMENT SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED

GRAB BARS ADJACENT TO THE BATHTUB OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCING REINFORCEMENT OF FLOORS SHALL NOT BE REQUIRED FOR BATHTUBS AND WATER CLOSETS INSTALLED ON DOCUMENTATION FOR GRAB BAR REINFORCEMENT

INFORMATION AND/OR DRAWINGS IDENTIFYING THE LOCATION OF GRAB BAR REINFORCEMENT SHALL BE PLACED THE OPERATION AND MAINTENANCE MANUAL IN ACCORDANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS CODE, CHAPTER 4, DIVISION 4.4.

WALL LEGEND:

SYMBOL	DESCRIPTION	
	EXTERIOR WALL: 2X6 D.F.#2 STUDS AT 16" O.C. W/R-21 BATT INSULATION. EXTERIOR FINISH PER EXTERIOR OPTIONS, SEE BUILDING ELEVATIONS. INTERIOR FINISH 1/2" GYPSUM BOARD UNLESS NOTHERWISE.	ĒD
	INTERIOR WALL: 2X6 D.F.#2 STUDS AT 16" O.C. INTERIOR FINISH 1/2" GYPSUM BOARD AT BOTH SIDES OF STUDNESS NOTED OTHERWISE.	SOL
	INTERIOR WALL: 2X4 D.F.#2 STUDS AT 16" O.C. INTERIOR FINISH 1/2" GYPSUM BOARD AT BOTH SIDES OF STU UNLESS NOTED OTHERWISE.	DS
=====	INTERIOR WALL FOR BEDROOM OPTION: 2X4 D.F.#2 STUDS AT 16" O.C. INTERIOR FINISH 1/2" GYPSUM BOARD AT BOTH SIDES OF STU UNLESS NOTED OTHERWISE.	JDS

GLAZING SCHEDULE:

	SYMBOL	WIDTH HEIGH	LIEIGUT	TYPE				GLASS		GLAZING	MATERIAL	TEMPERED) LL EAGTOR	SUCC	DETAIL OR
			HEIGHT	SL	SH	FX	RT	CL	FG	DUAL	VINLY	GLASS	U-FACTOR	SHGC	COMMENT
	Α	4'-0"	5'-0"	0	0			0		0	•		0.30	0.23	1
	В	4'-0"	2'-0"				0	0		0	•		0.30	0.23	2
	С	4'-0"	1'-0"	0					0	0	•		0.30	0.23	
	D	3'-0"	3'-0"	0	0			0		0	•		0.30	0.23	1
	Е														
Ш									A D		TIONG				

ABBREVIATIONS

L = DOUBLE SLIDER SH = SINGLE HUNG FX = FIXED RT = RECTANGLE TRANSC GLASS

CL = CLEAR GLASS

G = FROSTED GLASS

DETAIL OR COMMENT GLAZING TYPE MUST MATCH THE EXISTING PRIMARY RESIDENCE GLAZING TYPE. (I.E

EXISTING PRIMARY RESIDENCE HAS SINGLE HUNG THEN PROPOSED ADU MUST HAVE SINGLE HUNG. AT COMTEMPORARY OPTION ONLY

GLAZING NOTES

ALL GLASS AND GLAZING SHALL COMPLY WITH APPLICABLE CODES AND MUST BE LABELED SAFETY GLAZING AT HAZARDOUS LOCATIONS DEFINED AS: GLAZING AT ALL DOORS, BATH & SHOWER ENCLOSURES, GLAZING WITHIN A 24" ARC OF A DOOR EDGE, PANELS OVER (9<mark>) SQUA</mark>RE FEET WITH THE LOWEST EDGE LESS THAN 18" A.F.F. AND HAVING A TOP EDGE GREATER THAN 36" A.F.F., GLAZING LOCATED WITHIN 5'-0" FROM TOP OR BOTTOM OF STAIRWAY WITH BOTTOM EDGE LESS THAN 60" A.F.F. ALL EXTERIOR GLAZING SHALL BE DUAL-GLAZED UNLESS OTHERWISE NOTED.

UNIT SKYLIGHTS SHALL BE TESTED AND APPROVED BY AN APPROVED INDEPENDENT LABORATORY, AND BEAR A LABEL IDENTIFYING MANUFACTURER, PERFORMANCE GRADE RATING AND APPROVED INSPECTION AGENCY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF AAMA/WDMA/CSA010/I.S.2/A440. (R 308.6.9) SKYLIGHTS AND SLOPED GLAZING SHALL COMPLY WITH SECTION (R 308.6) EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF

IG<mark>HT THAT IS ADEQUAT<mark>E TO PROVIDE AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE AREA OF THE.</mark></mark> ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. (R 303.1) BL<mark>AZING</mark> IN THE FOLLOWI<mark>NG LO</mark>CATIONS SHALL BE SAFETY GLAZING CONFORMING TO THE HUMAN IMPACT LOADS SECTION R 308.3 (SEE EXCEPTIONS) (R 308.4). FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BI-FOLD DOOR ASSEMBLIES.

RIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION R 303.1 OR SHALL BE PROVIDED WITH ARTIFICIAL

GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS: 1.) EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET. 2.) BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.

3.) TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR 4.) ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE GLAZING.

D. GLAZING IN RAILINGS. E. GLAZING IN ENCLOS<mark>URES FOR OR W</mark>ALLS FACING HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS

F. GLAZING IN WALLS AND FENCE ADJACENT TO INDOOR AND OUTDOOR SWIMMING POOLS, HOT TUBS AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND WITHIN 60 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE WATER'S EDGE. . GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS. I. <mark>GLAZIN</mark>G ADJAC<mark>ENT TO</mark> TH<mark>E LANDING AT THE</mark> BOTTOM OF A STAIRWAY WHERE THE GLAZING IS LESS THAN 36 IN<mark>CHES A</mark>BOVE THE LANDING AND WITHIN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD.

AND SHOWERS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY

DOOR SCHEDULE:

= BI FOLD DOOR

ABOVE ANY STANDING OR WALKING SURFACE.

N	SYMBOL WIDTH HEIGHT		UEICUT				FI	NISH		TY	PE		CORE			FRAME		DETAIL OR		
ı		יוו שויי	HEIGHT	1 ³ / ₈ "	1 5 "	PL	WD	TG		PT	HG	BF	BP	PC	sc	НС	нм	WD	PT	COMMENT
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ı	F	2'-6"	6'-8"	0		0				0	0					0		0	•	1,5
ABBREVIATIONS																				
ı	MATERIAL CORE											DETAIL OR COMMENT					_			
- 1							2005			4		E-E A 11	D / A	-						

PL = PLASTIC LAMINATE | SC = SOLID CORE /D = WOOD HC = HOLLOW CORE SEE DETAIL E/A.5 HM = HOLLOW METAL SEE DETAIL F/A.5 SEE DETAIL G/A.5 OR BEDROOM OPTION = HINGED DOOR

FRAME WD = WOOD

EGRESS, EXITS, & STAIRWAY NOTES:

HE MEANS OF EGRESS SHALL PROVIDE A CONTINUO**US AND UNOBSTRUCTED PATH OF VERTICAL AND HORIZONTA** EGRESS TRAVEL FROM ALL PORTIONS OF THE DWELLING TO THE EXTERIOR OF THE DWELLING AT THE REQUIRED EGRESS DOOR WITHOUT REQUIRING TRAVEL THROUGH A GARAGE. THE REQUIRED EGRESS DOOR SHALL OPEN DIRECTLY INTO A PUBLIC WAY OR TO A YARD OR COURT THAT OPENS TO A PUBLIC WAY. (R 311.1) AT LEAST ONE DOOR SHALL BE 36" WIDE BY 80" HIGH. (R 311.2)

PROVIDE MINIMUM 32" WIDE DOORS TO ALL INTERIOR ACCESSIBLE ROOMS. (R 311.2) THE ENTRY/EXIT DOOR MUST OPEN OVER A LANDING NOT MORE THAN 1.5" BELOW THE THRESHOLD. EXCEPTION: PROVIDING THE DOOR DOES NOT SWING OVER THE LANDING. LANDING SHALL BE NOT MORE THAN 7.75" BELOW THE THRESHOLD. STORM AND SCREEN DOORS ARE PERMITTED TO SWING OVER ALL EXTERIOR STAIRS AND LANDINGS.

LANDING AT A DOOR SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NO LESS THAN 36". (R 311.3) A LANDING SHALL BE PROVIDED AT THE TOP AND BOTTOM OF STAIRWAYS. (R 311.7.6)

7.75" MAXIMUM RISE & MINIMUM 10" RUN. (R 311.7.5)

MINIMUM 6'-8" HEADROOM CLEARANCE. (R 311.7.2)

PT = PAINTED

MINIMUM 36" CLEAR WIDTH. (R 311.7.1) HANDRAILS 34" TO 38" HIGH ABOVE TREAD NOSING (R 311.7.8.1)

HANDGRIP PORTION OF HANDRAIL SHALL NOT BE LESS THAN 1.25" AND NO MORE THAN 2" CROSS- SECTIONAL DIMENSION HAVING A SMOOTH SURFACE WITH NO SHARP CORNERS. (R 311.7.8.5) MAXIMUM 4" CLEAR SPACING OPENING BETWEEN RAILS. (R 312.1.3)

ALL INTERIOR AND EXTERIOR STAIRWAYS SHALL BE ILLUMINATED. (R 303.7) FOR GLASS HANDRAILS AND GUARDS, THE PANELS AND THEIR SUPPORT SYSTEM SHALL BE DESIGNED TO WITHSTAND THE LOADS SPECIFIED IN CHAPTER 16 OF CBC. A SAFETY FACTOR OF FOUR SHALL BE USED. THE MINIMUM NOMINAL THICKNESS OF THE GLASS SHALL BE 1/4 INCH. (CBC 2407)

PROVIDE EMERGENCY EGRESS FROM SLEEPING ROOMS AND BASEMENTS. SHOW DETAILS ON PLANS. MINIMUM - 24" CLEAR HEIGHT, 20" CLEAR WIDTH, 5.7 SF MINIMUM AREA (5.0 SF AT GRADE LEVEL) & 44" MAXIMUM TO SILL. (R 310.2.1) ENCLOSED ACCESSIBLE SPACE UNDER STAIR SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2 INCH GYPSUM BOARD. (R302.7)

FLOOR KEY NOTES:

SHOWER OR TUB: BRAND AND MODEL NUMBER SHALL BE PROVIDED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. FIXTURE MUST MEET FLOW RATE REQUIREMENTS OF THE CGBSC. SEE PLUMBING PLAN FOR

ADDITIONAL INFORMATION. WATER CLOSET: BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. FIXTURE MUST MEET FLOW RATE REQUIREMENTS OF THE CGBSC. SEE PLUMBING PLAN FOR ADDITIONAL INFORMATION. BATH LAVATORY: BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. FIXTURE MUST MEET FLOW RATE REQUIREMENTS OF THE CGBSC. SEE PLUMBING PLAN FOR

KITCHEN SINK: BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. FIXTURE MUST MEET FLOW RATE REQUIREMENTS OF THE CGBSC. SEE PLUMBING PLAN FOR

ADDITIONAL INFORMATION. WATER HEATER: BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. MODEL SELECTED MUST MEET TITLE 24 REQUIREMENTS. SEE PLUMBING PLANS FOR ADDITIONAL

WASHER STACKED UNIT: BRAND NAME AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTAL<mark>LATION. VERIFY MODEL'S DIMENSION PRIOR TO INSTALLATION. SEE MECHANICAL PLANS FOR ADDITIONA</mark>I ELECTRIC RANGE: BRAND NAME AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO

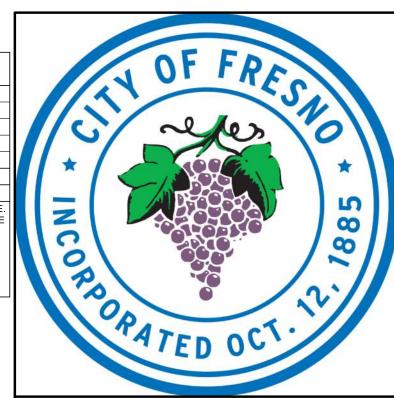
NSTALLATION. VERIFY MOD<mark>EL'S DIMENSION PRIOR TO INSTALLATION AND COORDINATE WITH CABINET CONTRACTOR'S SHOP DRAWINGS. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION.</mark> EFRIGERATOR: BRAND NAME AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO ISTALLATION. VERIFY MODEL'S DIMENSION PRIOR TO INSTALLATION AND COORDINATE WITH CABINET CTOR'S SHOP DRAWINGS. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION. HIGH WALL INDOOR UNIT: BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO

INSTALLATION. MODEL SELECTED MUST MEET TITLE 24 REQUIREMENTS. SEE MECHANICAL PLANS FOR ADDITIONAL GROUND MOUNTED CONDENSING UNIT. BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. MODEL SELECTED MUST MEET TITLE 24 REQUIREMENTS. SEE MECHANICAL

PLANS FOR ADDITIONAL INFORMATION. ATTIC ACCESS: 22"X30" ATTIC ACCESS W/ 30" HEADROOM SHALL BE WEATHER-STRIPPED AND INSULATED EQUIVALENT TO THAT OF THE CEILING AND SHALL BE INSTALLED ON THE ACCESS PANEL. SEE DETAIL X/A.X FOR ADDITIONAL

BASE CABINET: CABINET CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR OWNERS APPROVAL PRIOR TO BUILDING AND INSTALLATION OF CABINET OVERHEAD CABINET OVER BASE: CABINET CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR OWNERS APPROVAL PRIOR TO BUILDING AND INSTALLATION OF CABINET OVERHEAD CABINET OVER REFRIGERATOR: CABINET CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR OWNERS

APPROVAL PRIOR TO BUILDING AND INSTALLATION OF CABINET CONCRETE LANDING: 3-1/2" CONCRETE LANDING W/ BROOM FINISH AND SLOPE AWAY FROM BUILDING. SEE FOUNDATION PLAN FOR ADDITIONAL INFORMATION



PLANNING AND DEVELOPMENT DEPARTMENT FRESNO CITY HALL 2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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PROJECT:

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

REVISIONS

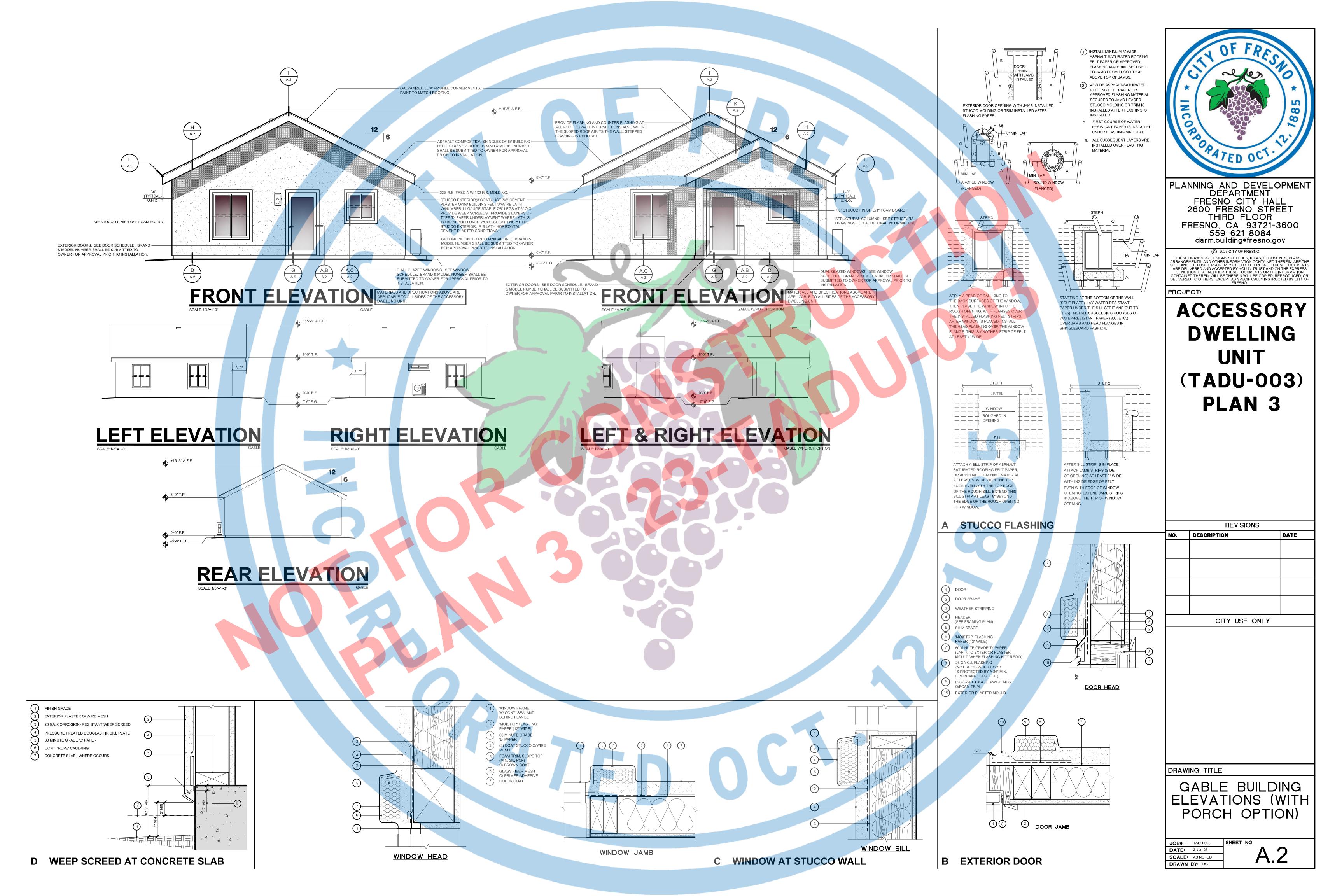
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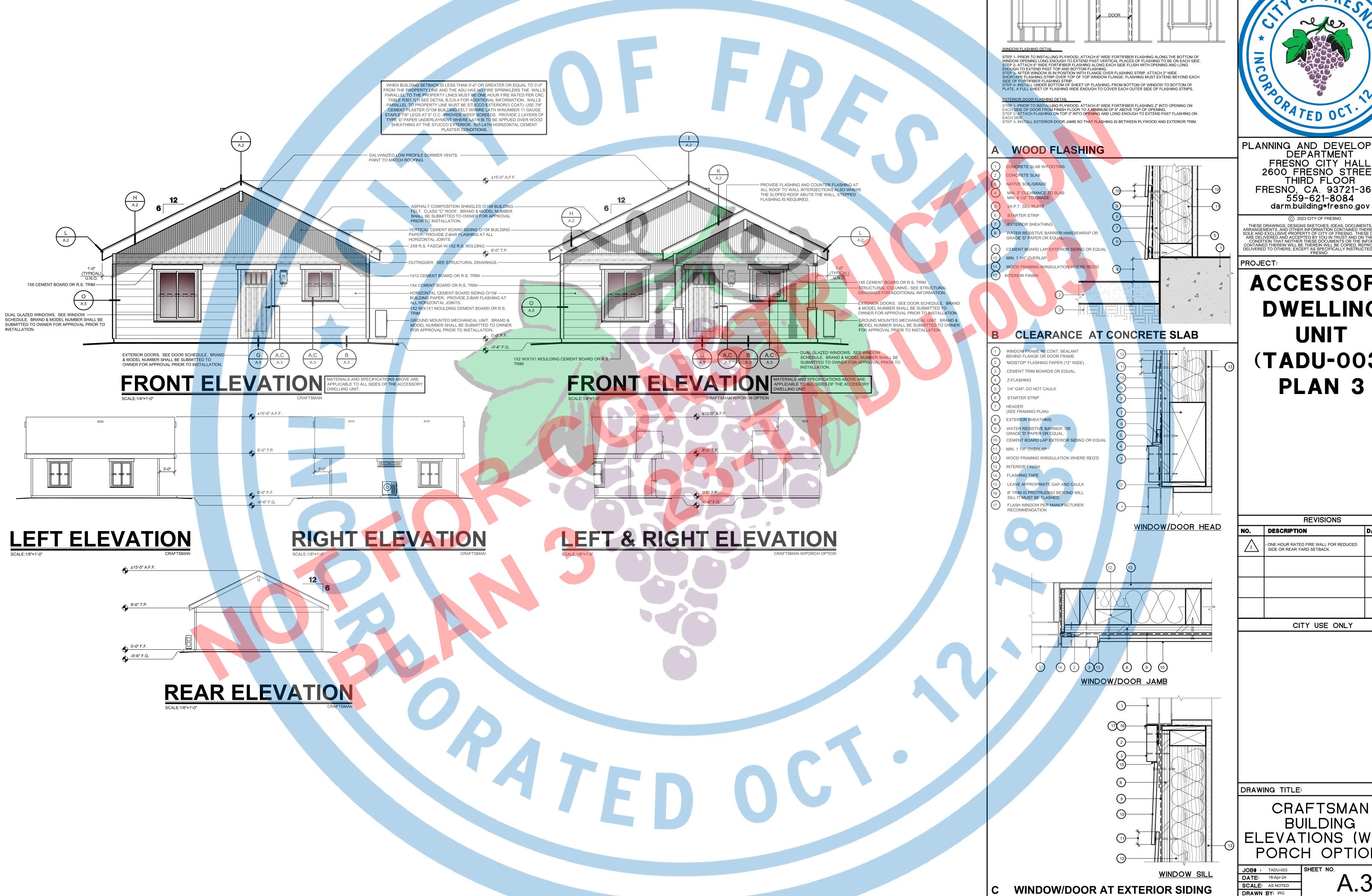
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DRAWING TITLE:

FLOOR PLAN (WITH PORCH OPTION)

JOB# : TADU-003 **DATE**: 13-Apr-23 SCALE: AS NOTED DRAWN BY: IRG





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ACCESSORY DWELLING (TADU-003) PLAN 3

NO.	DESCRIPTION	DATE								
2	- ONE HOUR RATED FIRE WALL FOR REDUCED SIDE OR REAR YARD SETBACK.	04/18/24								
	CITY LISE ONLY									

CITY USE ONLY

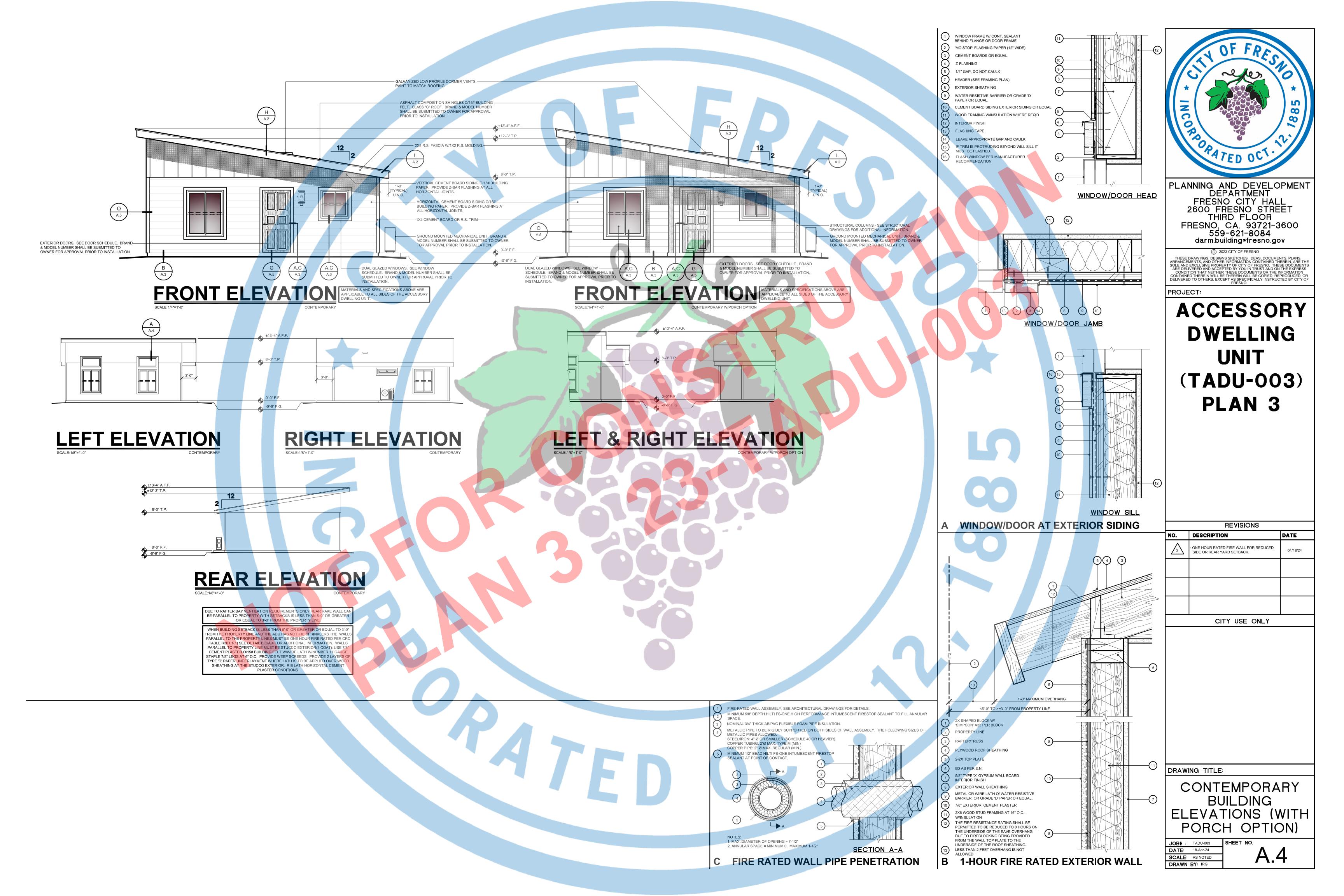
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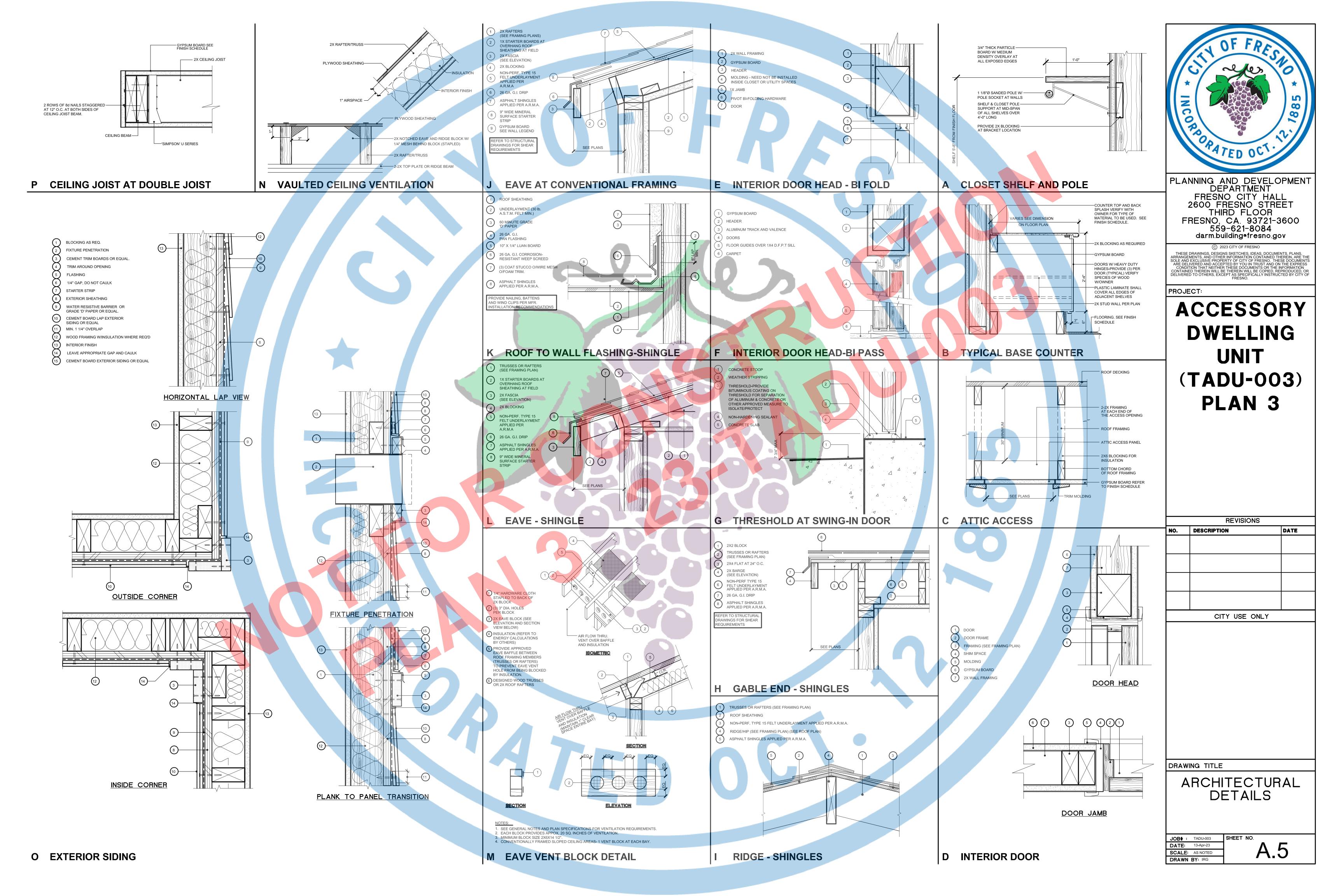
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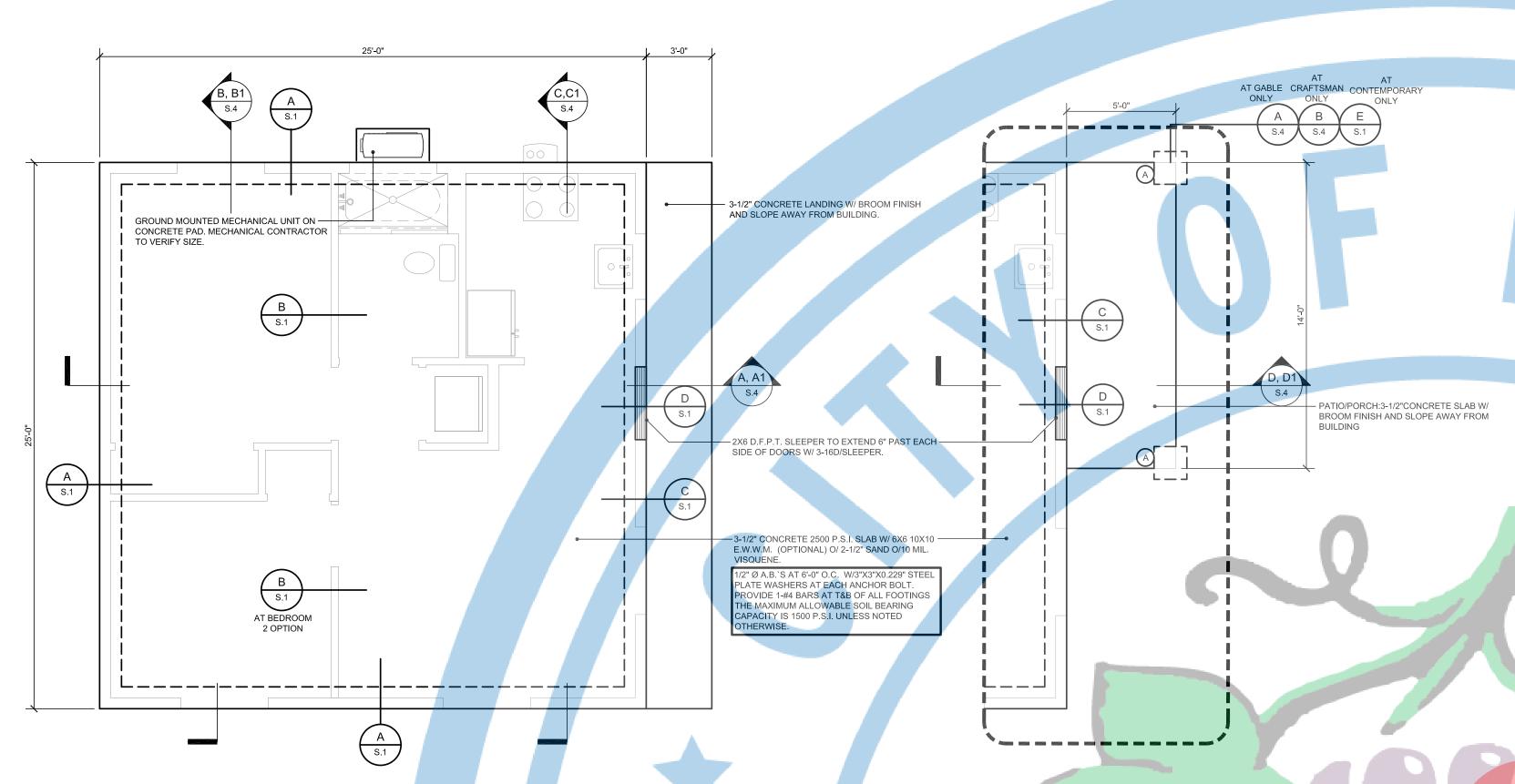
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SCALE: AS NOTED

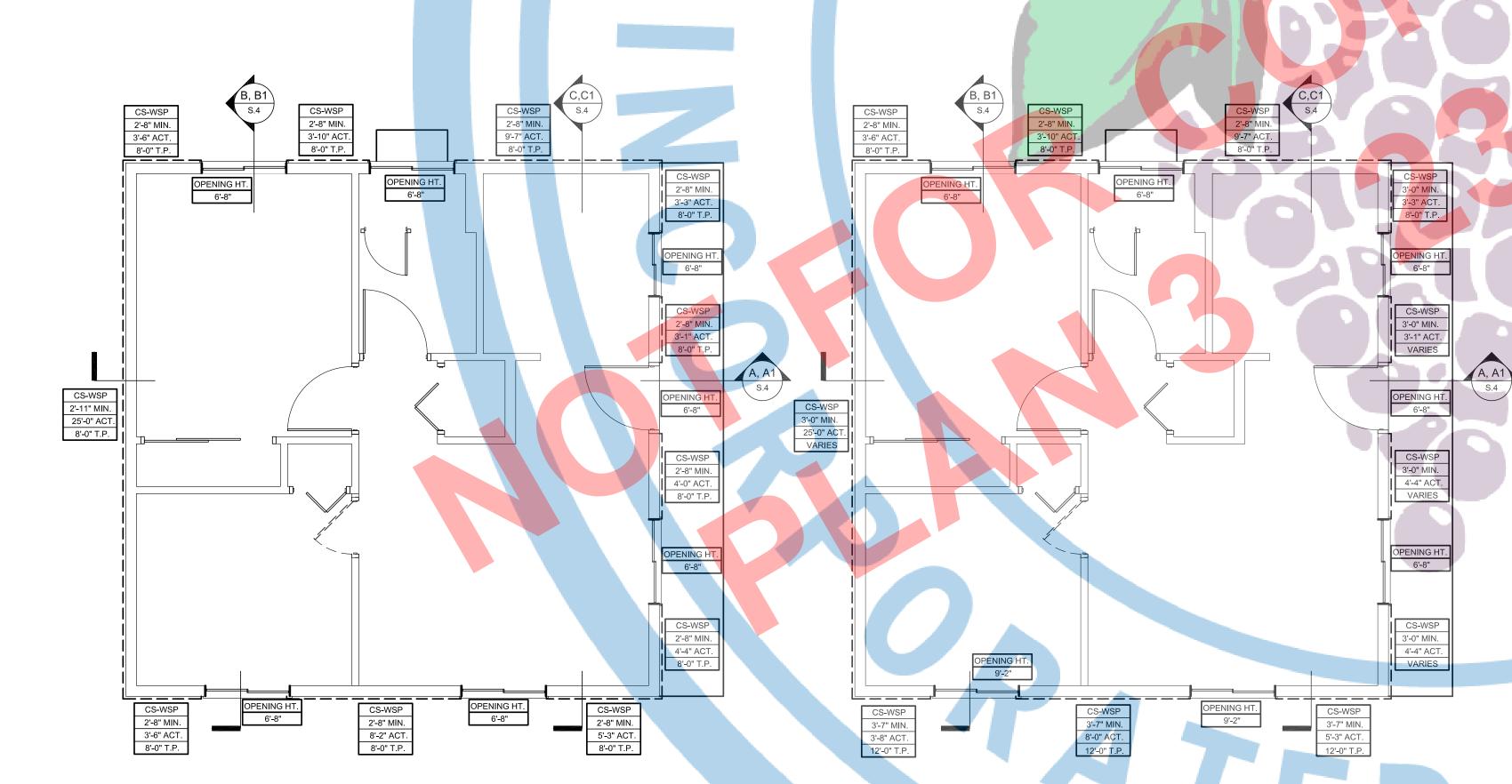
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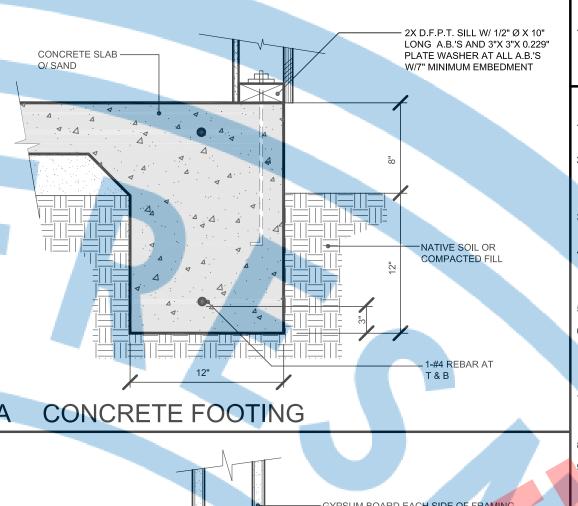
FOUNDATION PLAN

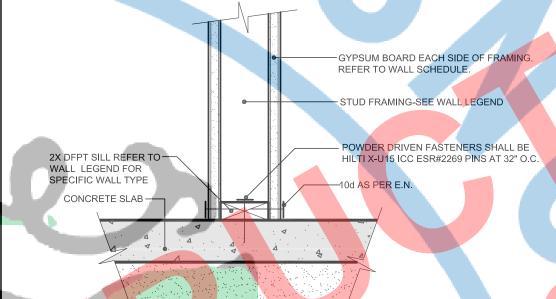




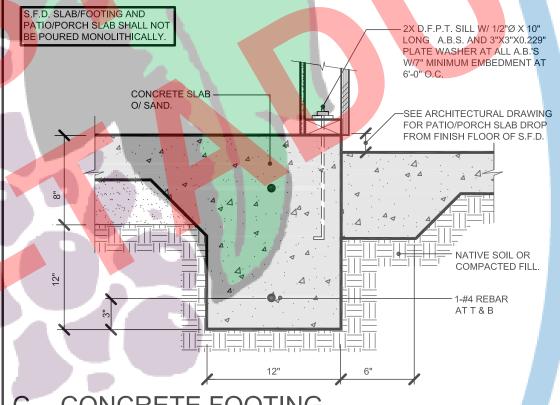


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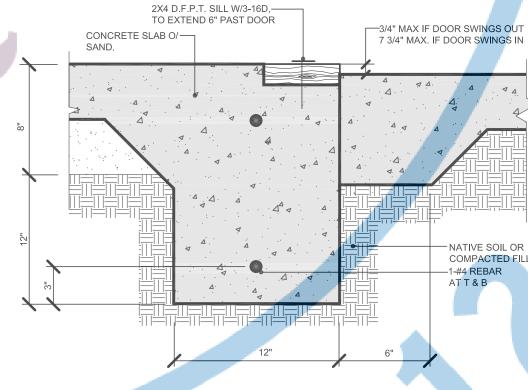




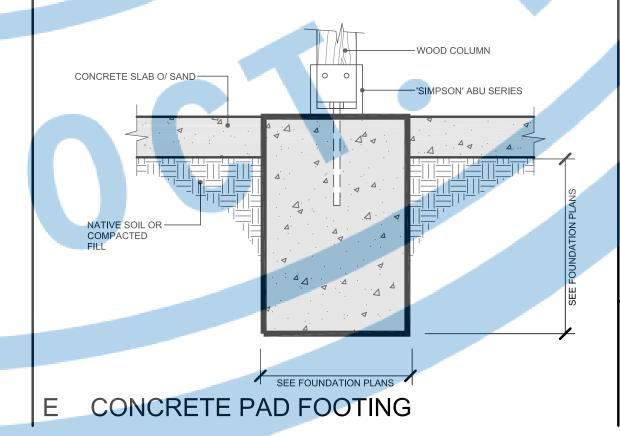
SILL TO SLAB



CONCRETE FOOTING



CONCRETE FOOTING



FOOTING SCHEDULE:

DESCRIPTION

A 18"X18"X12" DEEP CONCRETE PAD FOOTING

F	OUNDATION NOTES :	
1.	ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. FOUNDATIONS	
	SHALL BE PLACED IN NATURALLY UNDISTURBED SOIL OR PROPERLY COMPACTED SOIL CAPABLE OF SUPPORTING 1500 PSF OR MORE. NOTIFY ARCHITECT WHEN SOIL CONDITIONS ARE UNSATISFACTORY.	
2.	CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY APPROVED BY THE ENGINEER. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS	
	SPECIFIED HEREIN OR ON THE DRAWINGS. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE USE. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATES AND WATER, AND	

GRADUATION OF COMBINED AGGREGATES. WATER USED IN MIXING CONCRETE SHALL BE CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS SALTS, ORGANIC MATERIALS OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR REINFORCEMENT. NONPOTABLE WATER SHALL NOT BE USED IN CONCRETE.

REINFORCEMENT BARS

E/S.1

PLACE AND VIBRATE ALL CONCRETE AS REQUIRED TO ELIMINATE ALL VOIDS, POCKETS, ETC. AROUND FORMS, REINFORCING OR FASTENING DEVICES, ETC. REMOVE ALL LOOSE CONCRETE AND FILL HONEYCOMBED SURFACES STONE POCKETS AND OTHER IRREGULARITIES WITH CEMENT MORTARS, FLAT WORK SHALL BE FREE OF PUDDLES PROTECT ADJACENT SURFACES. TRUENESS OF ALL SLABS: ALL SLABS SHALL BE TRUE TO 1/4" IN 50 FEET AND SHALL

TRENCHIN<mark>G OF GRADE BEAMS SHALL BE EXCAVA</mark>TED IN ORDER TO PROVIDE THE BEAM CROSS SECTION INDICATED. BEAM AND SLAB DEPTHS AND WIDTHS AS INDICATED ARE MINIMUM ACCEPTABLE SIZES. LARGER SIZE BEAMS AND SLABS FORMED BY LESS ACCURATE TRENCHING MAY REQUIRE ADDITIONAL REINFORCING NOT SHOWN WHICH SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION REVIEW. ALL LOOSE DIRT FROM SIDES AND BOTTOM OF TRENCHES SHALL BE REMOVED. HAUNCHES SHALL BE CUT ON EACH SIDE OF TRENCHES OF ADEQUATE SIZE TO

CONCRETE SHALL BE DEPOSITED AS NEARLY AS PRACTICABLE IN ITS FINAL POSITION TO AVOID SEGREGATION DUE TO RE-HAN<mark>DLING OR FLOWING. CONCRETE SHALL BE CARR</mark>IED ON AT SUCH A RATE THAT CONCRETE IS AT ALL TIMES PLASTIC AND FLOWS READILY INTO SPACES BETWEEN REINFORCEMENT CONCRETE THAT HAS PARTIALLY ARDENED OR BEEN CONTAMINATED BY FOREIGN MATERIAL SHALL NOT BE DEPOSITED IN THE STRUCTURE ALL <mark>REINFORCING STEEL, WIRE MESH, ANCHOR BOLTS, HOL</mark>DOWN ANCHORS, AND OTHER INSERTS SHALL BE E<mark>CURED IN POSITION AND INSPECTED BY THE BUILDING OFFICIAL PRIOR TO PLACING CONCRETE</mark> H<mark>ECK WITH OTHER TRADES AN</mark>D BE SURE ALL UNDER SURFACE WORK IS COMPLETE. PROPERLY LOCATE ALL INS<mark>ERTS,</mark> TIES, ANCHORS, BOLTS, DOWELS, BLOCKING, GROUNDS, VENTS ETC. BEFORE CONCRETE IS POURED.
PROPERLY WET DOWN ALL FORMS FORMS AND TAMP FILL. SET SCREED BOARD FOR ACCURATE GRADE, SUPPORT

LL SPECIAL BOLTS, STRAPS, AND HOLDOWNS IN PLACE WITH RIGID SPACER FORMS. CONS<mark>TRUCT FORMS FROM 2" N</mark>OMINAL DOUGLAS FIR OR PLYWOOD AS REQUIRED TO SLOPE, LINE AND DIMENSIONS SHOWN: FORMS SHALL BE PLUMB, STRAIGHT AND SUFFICIENTLY BRACED TO PREVENT MOVEMENT DURING THE POUR. REMOVE FORMS WITHOUT DAMAGING THE CONCRETE. DO NOT PLACE CONCRETE UNTIL ALL REINFORCEMENT, CONDUIT OUTLET BOXES, ANCHORS, HANGERS, SLEEVES

BOLTS OR OTHER EMBEDDED MATERIALS AND ITEMS ARE SECURELY AND PROPERLY FASTENED IN THIER PROPER ACES AND POSITION SUBCON- TRACTOR SHALL VERIFY INSTALLATION OF HOLDOWN AND ANCHOR BOLTS, PA STRAPS AND OTHER ANCHORAGE MATERIAL AND ITEMS PRIOR TO PLACEMENT OF CONCRETE. PROVIDE 1-#4 REBAR X 20' UFER GROUND EMBEDDED INTO CONCRETE FOOTING. COORDINATE LOCATION WITH CONCRETE IN SLEEVES, BUT SHALL NOT BE EMBEDDED THEREIN, SLEEVES PIPE MAY PASS THROUGH STRUCTURAL SHALL BE WRAPPED WITH EXPANSION JOINT FILLER MATERIAL TO ALLOW CONCRETE TO CURE WITHOUT RESTRAINT

PIPES OR CONDUITS EXCEEDING ONE-THIRD THE WALL OR SLAB OR WALL THICKNESS SHALL NOT BE IN PLUMBING LINES PASSING PERPENDICULAR THROUGH FOOTINGS SHALL BE SLEEVED WITH A 26 GAUGE G.I. SLEEVE MINIMUM SIZE ALLOWABLE TO RECEIVE PIPES. PLACE SLEEVES AS NEAR CENTER OF FOOTINGS AS POSSIBLE.

USE #4 REBAR TOP AND BOTTOM 3'-0" LONG MINIMUM IN FOOTINGS WHICH HAVE PLUMBING LINES PASSING

PER<mark>PENDI</mark>CULAR <mark>BELOW.</mark> BACK FILL PIP**ES IN MO**ISTENED LAY<mark>ERS NOT MORE THAN 6" THICK THOROUGHLY</mark> OAD <mark>BEARI</mark>NG FOOT<mark>INGS SHALL BE EXTENDED</mark> A MINIMUM OF 12" WIDE AND 12" BELOW UNDISTURBED SOIL OR AS FOUNDATION PLATES OR SILLS SHALL BE BOLTED TO THE FOUNDATION OR FOUNDATION WALL WITH NOT LESS THAN 1/2" NOMINAL DIAMETER STEEL ANCHOR BOLTS EMBEDDED AT LEAST 7" INTO THE CONCRETE OR MASONRY AND

SPACED N<mark>OT MORE THAN 72</mark>" APART. ANCHOR BOLTS SHALL BE <mark>LOCATED IN THE MIDDLE THIRD WIDTH OF THE SIL</mark> LATE. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PIECE WITH ONE BOLT LOCATED WITHIN 12" OF EACH END 3"X3"X0.229" STEEL WASHER TO BE INSTALLED ON EACH ANCHOR BOLT. THE PLATE WASHER MAY BE SLOTTED 3/16" LAR<mark>GER</mark> THAN THE BOLT DIA. AND A SLOT LENGTH NOT MORE THAN 1 3/4". STANDARD CUT WASHER IS REQUIRED TO POWDER DRIVEN FASTENERS AT INTERIOR NON-BEARING WALLS SHALL BE HILTI X-U15 ICC ESR#2269 PINS AT 32" O.C

APPROVED 3/8" DIAMETER SHOT PINS WITH 2" DIAMETER CADMUIM WASHERS AT 32" O.C. MAXIMUM, 6" FROM CORNERS AND SPLICES POWDER DRIVEN FASTENERS SHALL NOT BE USED IN STEM WALLS LESS THAN 5 1/2" WIDE OR GREATER THAN 5 1/2" PRESSURE TREATED SILL PLATE REQUIRES CONNECTORS TO BE HOT DIPPED GALVANIZED OR MECHANICALLY ZINC PRETREAT UNDER SLAB AREA WITH AN APPROVED SOLUTION FOR PROTECTING AGAINST TERMITES.

INSTALL DAMPROOFING MEMBRANE UNDER ALL BUILDING SLABS AS SHOWN ON DRAWINGS. BASE SHALL HAVE BEEN LEVELED PRIOR TO INSTALLING VAPOR BARRIER. VAPOR BARRIER SHALL IN THE WIDEST PRACTICABLE WIDTH. ALL JOINTS SHALL BE LAPPED NOT LESS THAN 6". PATCH ALL HOLES PRIOR TO PLACEMENT OF SAND COVER. TURN PAPER UP FOUNDATION WALLS WHERE SLAB AND FO<mark>OTINGS</mark> ARE MONO<mark>LITHICALLY POURED</mark> INTERIOR FLOOR SLABS SHALL BE STEEL TROWELED SMOOTH. EXTERIOR WALKS, SLABS, ETC. SHALL HAVE MEDIUM

CONCRETE SHALL BE PROTECTED FROM THE INJURIOUS ACTION OF THE SUN, RAIN, WIND, FLOWING WATER FROST AND MECHANICAL INJURY, AND SHALL NOT BE ALLOW<mark>ED TO</mark> DRY OUT PR<mark>IOR TO THE MINIMUM CURING PERIODS. TAK</mark>I CARE NOT TO STAIN OR DISCOLOR FINISHED CONCRE<mark>TE SUR</mark>FACES, FOO<mark>TINGS-DAMP CURE 2 DAYS. SLABS- CAMP</mark> CURE 5 DAYS. A FINE WATER SPRAY SHALL BE USED TO REDUCED PLASTIC SHRINKAGE CRACKS DURING FINISHING OPERATIONS IMMEDIATELY AFTER THE WET CONCRETE HAS BEEN BROUGHT TO A FLAT SURFACE AND THE SHINY SURFACE HAS DISAPPEARED. FREQUENT LIGHT APPLICATIONS OF MOISTURE SHALL BE PROVIDED AS REQUIRED BY WEATHER CONDITIONS. ALL SURFACES TO RECEIVE CONCRETE SHALL BE WETTED DOWN 24 HOURS IN ADVANCE OF POURING CONCRETE ON THESE SURFACES WATER SHALL BE NOT PERMITTED TO ACCUMULATE IN THE FOOTING

EXCAVATIONS. TRENCHES SHALL BE NO MORE THAN MOIST AT THE TIME OF POURING THE EXTERIOR FLATWORK SHOULD BE POURED SEPARATELY IN ORDER TO ACT INDEPENDENTLY OF THE WALLS AND FOUNTAIN SYSTEM. SEE DESIGNER PLANS FOR EXTERIOR FLATWORK INFORMATION

BRACED WALL LEGEND

REQUIRED PER CRC SECTION R602.10

CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL - SHEATHING WITH A THICKNESS NOT LESS THAN 1/8 INCH APA-RATED SHEATHING FOR 24" STUD SPACING WITH 8d COMMON OR GALVANIZED BOX NAILS INSPECTIONS REQUIRED PRIOR TO COVERING. EXTERIOR BRACED WALL PANELS SHALL EXTEND TO TOP PLATE OR ROOF FRAMING(GABLE END CONDITIONS)

BRACED WALL SYMBOL ADJACENT CLEAR OPENING HEIGHT (INCHES) CS-WSP BRACED WALL TYPE ---MINIMUM BRACED WALL LENGTH

BRACED WALL LENGTH PROVIDED CONTINUOUS SHEATHING WALL BRACING METHOD:

2. AREA ABOVE AND BELOW OPENINGS SHALL BE FULLY SHEATHED WITH A MINIMUM OF 3/8 INCH APA-RATED SHEATHING STRUCTURAL PANEL SHEATHING 3. FULL HEIGHT SHEATHED WALL SEGMENTS HAVING A WIDTH EQUAL OR GREATER THAN TABLE BELOW ARE COUNTED TOWARD THE TOTAL BRACING LENGTH. WALL MINIMUM LENGTH IS BASED ON WALL HEIGHT AND 5. CONTINUOUS SHEATHING WOOD STRUCTURAL PANEL SHALL HAVE CORNER RETURN LENGTH ON BOTH SIDES

6. PLYWOOD SHEET USED IN THE CONSTRUCTION OF BRACE WALLS SHALL BE NOT LESS THAN 4'X8' IN SIZE.
A. MINIMUM SIZE SHEET AT BOUNDARIES AND CHANGES IN FRAMING SHALL BE 24", UNLESS BLOCKED.

WALL LEGEND:

OF CORNER (24 INCH MINIMUM).

CONTINUOUS SHEATHING BRACED WALLS: SEE BRACED WALL PLAN FOR ADDITIONAL INFORMATION

B. NAIL SIZE, SPACING, AND TYPE PER ABOVE UNLESS NOTED OTHERWISE.

PROVIDE CONTIN<mark>UOUS S</mark>TUDS AT ALL <mark>LOCATIONS WHERE THERE IS NO LATERAL SUPPORT AT 8' PLATE HEIGHT. FINGER JOINTED STUDS IN STRUCTURAL WALLS(BEARING OR SHEAR) MUST BE GRADE STAMPED BY AN</mark> APPROVED ICC INSPECTION AGENCY AND CLEARLY SPECIFIED ON PLANS, AND ARE NOT ALLOWED AT HOLDOWN ALL LUMBER SHALL BE GRADE MARKED, DOUGLAS FIR STANDARD OR BETTER MINIMUM EXCEPT AS NOTED ON

ALL COLUMNS TO BE DOUGLAS FIR NO.2 IN COMBUSTIBLE CONSTRUCTION, FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. (R 302.11) PROVIDE FIRE BLOCKING AT THE 10-FOOT

INTERVALS AND AT ALL FLOOR AND CEILING LEVELS USE THE FOLLOWING LUMBER GRADES OR BETTER, UNLESS OTHERWISE NOTED SILL PLATES, FOUND. GRD. RWD. OR P.T. DOUG FIR VERTICAL FRAMING STUDS DOUG. FIR STUD GRADE POSTS DOUG FIR STUD OR BETTER

TOP PLATES DOUG. FIR STUD OR BETTER

HEADERS DOUG. FIR CONSTRUCTION GRD. OR BETTER EXPOSED BEAMS/OUTRIGGERS ARCH. GRD. D.F. (RSN. IF NOTED) EXPOSED POSTS ARCH. GRD. D.F. (RSN IF NOTED) FASCIA WINDOW FRAMES KILN DRÌED CLR. HEMLOCK/RSN . FACE

BRACING, BACKING, PURLING DOUG. FIR STANDARD OR BETTER SPACED ROOF SHEATHING DOUG. FIR STANDARD OR BETTER SOLID "V" RUSTIC EAVES NO.2 OR BETTER, PINE OR BETTER N. 2X6 T&G CEILING NO.1 WHITE FIR RESAWN FACE

O. REDWOOD SIDING CEDAR RWD. SQUARE OF "V" GROOVED
P. EXTERIOR TRIM CLEAR RWD. OR APPEARANCE GRD. DOUG. FIR OR HEMLOCK, RESAWN FACE DOOR JAMBS, CASINGS, MOULDINGS CLEAR DOUG. FIR OR PINE SHELVING 3/4" PLYWOOD WITH HARDWOOD EDGE SILLS, SLEEPERS, PLATES, ETC. ON MASONRY OR CONCRETE. THAT IS IN DIRECT CONTACT WITH EARTH SHALL

BE FOUNDATION GRADE & REDWOOD OR PRESSURE TREATED DOUGLAS FIR. THE OPENING AROUND GAS VENTS, DUCTS, PIPES, CHIMNEYS, AND FIREPLACES AT THE CEILING LEVEL SHALL BE FIREBLOCKED WITH NONCOMBUSTIBLE MATERIALS GREEN VINYL SINKERS DO NOT MEET THE NAILING REQUIREMENTS FOR MOST BOX AND COMMON NAIL

PLANNING AND DEVELOPMENT DEPARTMENT FRESNO CITY HALL 2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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PROJECT:

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

DESCRIPTION

CITY USE ONLY

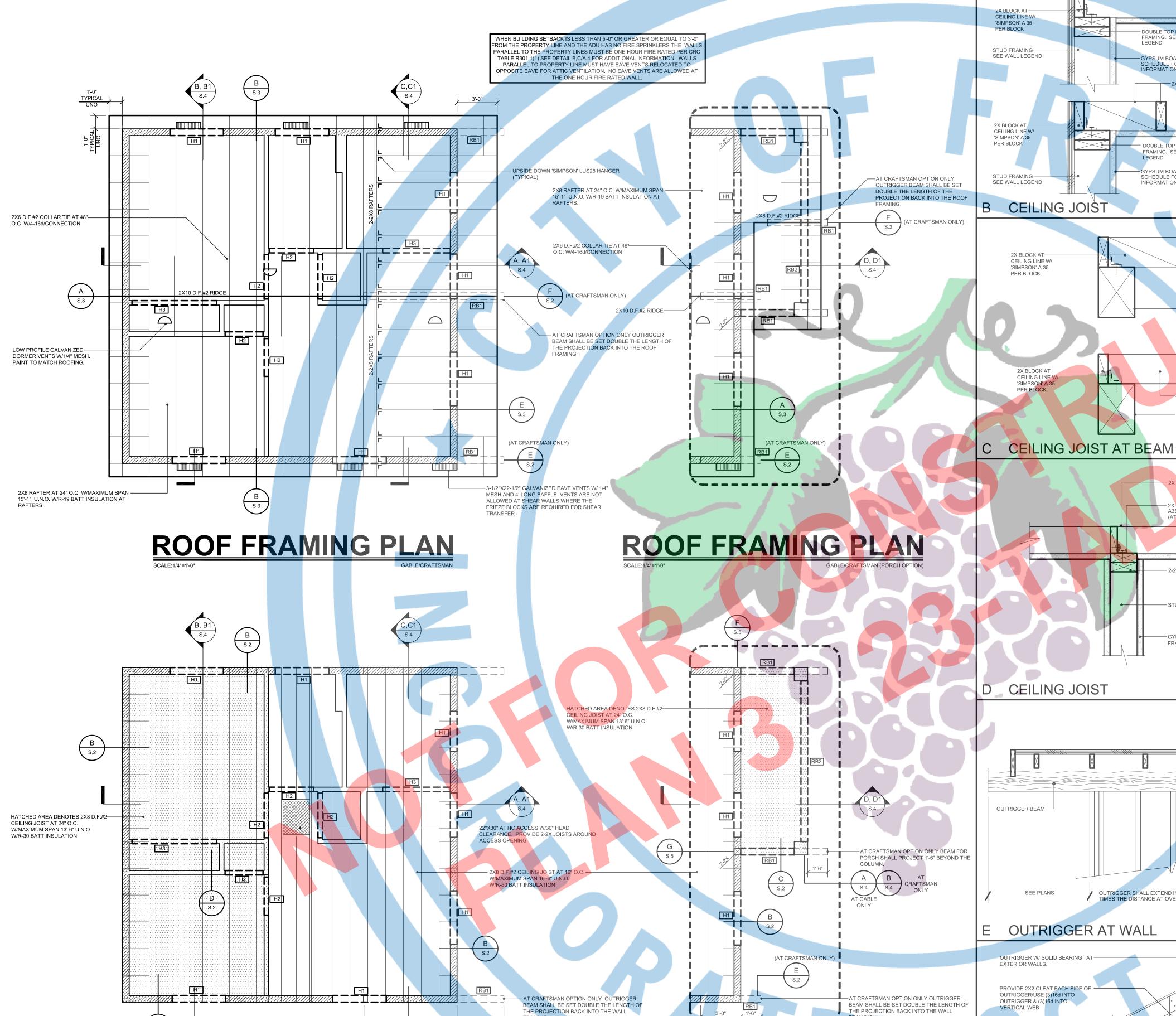
REVISIONS

DATE

DRAWING TITLE:

FOUNDATION PLAN & BRACED WALL FRAMING PLAN (WITH PORCH OPTION)

JOB# : TADU-003 SHEET NO. **DATE**: 19-Apr-23 DRAWN BY: IRG



CEILING JOIST FRAMING PLAN

CEILING JOIST FRAMING PLAN

HEADER/BEAM SCHEDULE:

SYMBOL	HEADER/BEAM SIZE & GRADE
H1	6X8 D.F.#2
H2	4X6 D.F.#2
H3	4X8 D.F.#2
RB1	6X8 D.F.#2
DB2	6Y10 D E #2

ROOF SHEATHING:

2" CDX PLYWOOD(0	DR 7/16" 24/16 O.S.B.)PSR. 24/00 NAILING (8D COMMONS OR 10D SINKERS)	SEE DETAIL						
BOUNDARY	6 IN O.C.	A						
EDGE	6 IN O.C.	S.2						
FIELD	12 IN O.C.	3.2						
ATHING NOTES:								

2X CEILING JOIST

DOUBLE TOP PLATE

— DOUBLE TOP PLATE FRAMING. SEE WALL

SCHEDULE FOR ADDITIONAL

-2X CEILING JOIST

- 2-2X TOP PLATE

-GYPSUM BOARD EACH SIDE OF FRAMING. REFER TO WALL SCHEDULE.

> ←6-16d NAILS STAGGERED FOR CHORD SPLICE W/

SCHEDULE FOR ADDITIONAL INFORMATION.

LEGEND.

- SHEATHING NOTES:

 1. MAXIMUM SIZE OF OPENING IN HORIZONTAL DIAPHRAGM NOT TO EXCEED 24" WITHOUT BLOCKING.

 2. PLYWOOD ROOF DIAPHRAGM SHALL BE CONTINUOUS BELOW ALL CALIFORNIA FILL FRAMING.

 3. ENTIRE PERIMETER SHALL BE BLOCKED.

 4. PROVIDE 1/8" GAP AT ALL PANEL EDGES.

 5. PLYWOOD SHEET USED IN THE CONSTRUCTION OF DIAPHRAGMS SHALL BE NOT LESS THAN 4'X8' IN SIZE.
- MINIMUM SIZE SHEET AT BOUNDARIES A<mark>ND CH</mark>ANGES IN FRAMING SHALL BE 24", UNLESS BLOCKED. NAIL SIZE, SPACING, AND TYPE PER ABOVE UNLESS NOTED OTHERWISE. ALL PLYWOOD SHALL BE GRADE-STAMPED A.P.A. AND FOLLOWING MINIMUM GRADES SHALL APPLY TO WOOD
- STRUCTURAL PANELS UNLESS SHOWN OTHERWISE ON THE DRAWINGS:

 A. ROOF SHEATHING SHALL BE INTERIOR GRADE WITH EXTERIOR GLUE B. EXPOSED SHEATHING SHALL BE EXPOSURE LOR CCX EXTERIOR GRADE AT EXPOSED AREA'S WITH EXTERIOR GLUE WALL SHEATHING SHALL BE INTERIOR GRADE WITH EXTERIOR GLUE.

WALL LEGEND:

SYMBOL	DESCRIPTION
7///////	BEARING WALLS: HATCH WALLS DENOTES BEARING WALL. SEE FOUNDATION PLAN FOR ADDITIONAL INFORMATION
	NON-BEARING WALLS: NON-BEARING WALLS. SEE FLOOR PLANS WALL LEGEND FOR ADDITIONAL INFORMATION.

WALL FRAMING NOTES: PROVIDE CONTINUOUS STUDS AT ALL LOCATIONS WHERE THERE IS NO LATERAL SUPPORT AT 8' PLATE HEIGHT FINGER JOINTED STUDS IN STRUCTURAL WALLS(BEARING OR SHEAR) MUST BE GRADE STAMPED BY AN APPROVED ICC INSPECTION AGENCY AND CLEARLY SPECIFIED ON PLANS, AND ARE NOT ALLOWED AT HOLDOWN

- 5. IN COMBUSTIBLE CONSTRUCTION, FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. (R 302.11) PROVIDE FIRE BLOCKING AT THE 10-FOOT INTERVALS AND AT ALL FLOOR AND CEILING LEVELS.
- SILL PLATES, FOUND. GRD. RWD. OR P.T. DOUG FIR VERTICAL FRAMING STUDS DOUG. FIR STUD GRADE
- POSTS DOUG FIR STUD OR BETTER
 TOP PLATES DOUG, FIR STUD OR BETTE RAFTERS, RIDGES, HIPS DOUG. FIR NO.2 OR BETTER
- HEADERS DOU<mark>G. FIR CONSTRUCTION GRD. OR BETTER</mark> EX<mark>POSED</mark> BEA<mark>MS/OU</mark>TRIGGERS ARCH. GRD. D.F. (RSN. I<mark>F NOTED)</mark> EXPOSED POSTS ARCH. GRD. D.F. (RSN IF NOTED) FASCIA WINDOW FRAMES KILN DRIED CLR. HEMLOCK/RSN . FACE
- BRACING, BACKING, PURLING DOUG. FIR STANDARD OR BETTER SPACED ROOF SHEATHING DOUG, FIR STANDARD OR BETTER SOLID "V" RUSTIC EAVES NO.2 OR BETTER, PINE OR BETTER 2X6 T&G CEILING NO.1 WHITE FIR RESAWN FACE
- REDWOOD SIDING CEDAR RWD. SQUARE OF "V" GROOVED EXTERIOR TRIM CLEAR RWD. OR APPEARANCE GRD. DOUG. FIR OR HEMLOCK, RESAWN FACE DOOR JAMBS, CASINGS, MOULDINGS, CLEAR DOUG, FIR OR PINI SHELVING 3/4" PLYWOOD WITH HARDWOOD EDGE
- BE FOUNDATION GRADE & REDWOOD OR PRESSURE TREATED DOUGLAS FIR. THE OPENING AROUND GAS VENTS, DUCTS, PIPES, CHIMNEYS, AND FIREPLACES AT THE CEILING LEVEL SHALL BE FIREBLOCKED WITH NONCOMBUSTIBLE MATERIALS. GREEN VINYL SINKERS DO NOT MEET THE NAILING **REQUI**REMENTS F**OR MOST BOX AND COMMON NAI**L

ROOF VENTILATION CALCULATIONS:

ROOF AREA	A OF: GABLE	/CRAFTSMAN					
CALCULAT	ION FACTO	PR		ATTIC	SPACE A	REA	625
ATTIC SPA	ACE X 144	ı	SQUA	RE INCH	HES REQ	UIRED	300
QUANITY	SIZE		TYP	E			NET AREA PROVIDED
3	LOW PROFILE	UPPER VENTILATION VENT (43 SQ.IN.)	GALVANI	ZED LOW PF	OFILE DORM	ĒR	129
			40%	UPPER	VENTILA	TION	120
			50%	UPPER	VENTILA:	TION	150
6	3 1/2"X22 1/2"	LOWER VENTILATION	GALVAN	IZED EAVE V	'ENT (33 SQ.IN	l.)	198
			TOTAL	_ ATTIC	VENTILA	TION	327
ROOF AREA	A OF: GABLE	CRAFTSMAN W/PORCH	H OPTION				

	HOOF ANEA OF				
	CALCULATION FACTOR	ATTI	C SPACE	AREA	695
	ATTIC SPACE				
	AREA	COLLABE IN	OUEC DEC	/IIIDED	336

	ATTIC SPA		1	SQUA	RE INCH	IES RE	QUIRED	336
	QUANITY	SIZE		TYF	E			NET AREA PROVIDED
/	4	LOW PROFILE	UPPER VENTILAT VENT (43 SQ.IN.)	ION GALVANI	ZED LOW PF	ROFILE DO	PRMER	172
				40%	UPPER	VENTI	LATION	134
				50%	UPPER	VENTI	ATION	168
	6	3 1/2"X22 1/2"	LOWER VENTILAT	TION GALVAN	IIZED EAVE V	'ENT (33 S	Q.IN.)	198
				TOTAL	L ATTIC	VENT	ILATION	370

ZC OPP

PLANNING AND DEVELOPMENT DEPARTMENT FRESNO CITY HALL 2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084

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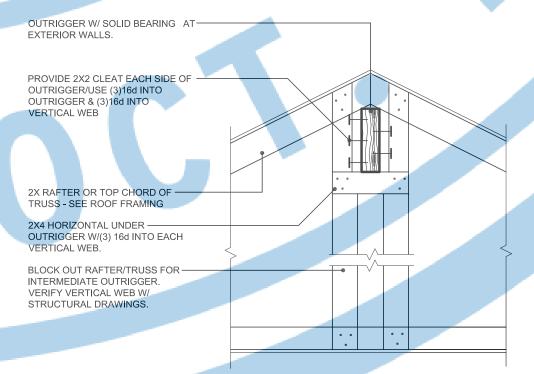
ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

REVISIONS

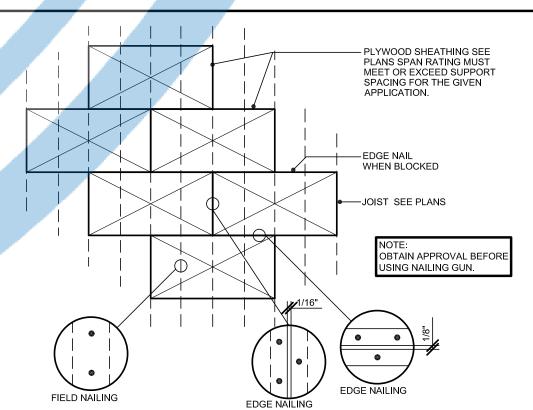
NO.	DESCRIPTION	DATE
2	- ONE HOUR RATED FIRE WALL FOR REDUCED SIDE OR REAR YARD SETBACK.	04/18/24
	\land	- ONE HOUR RATED FIRE WALL FOR REDUCED

CITY USE ONLY

OUTRIGGER AT WALL



TYPICAL OUTRIGGER AT GABLE END

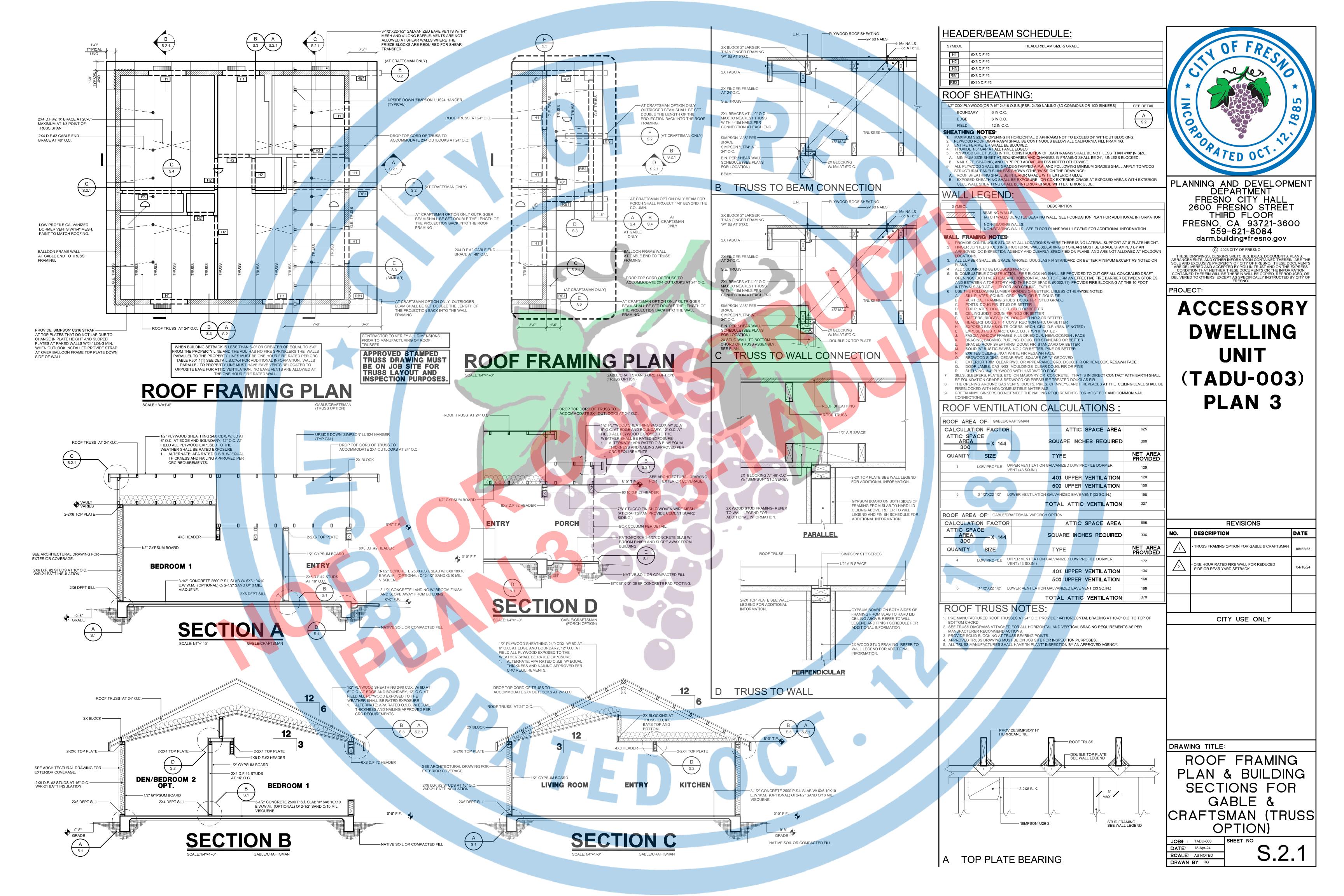


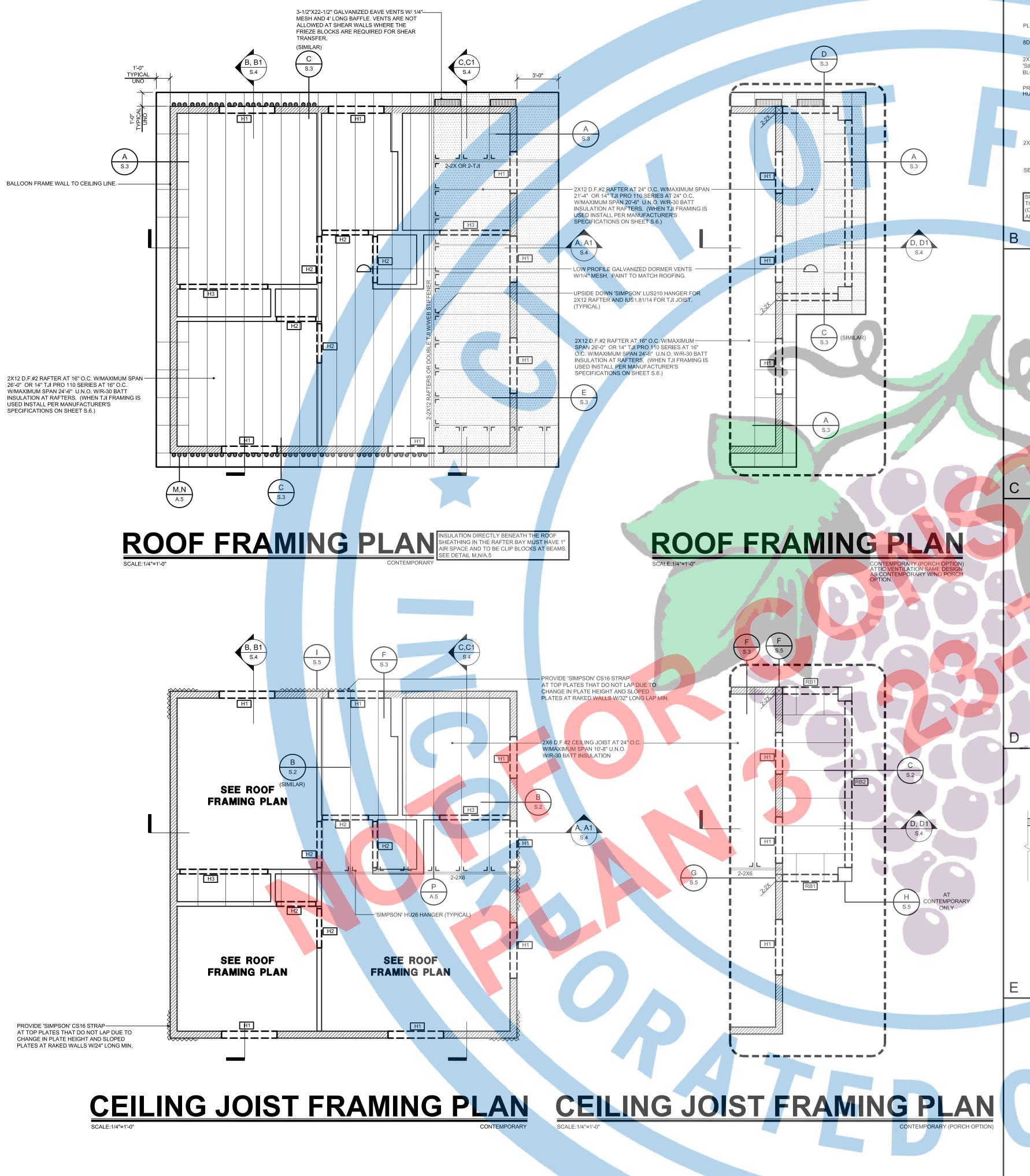
ROOF AND FLOOR DIAPHRAGM

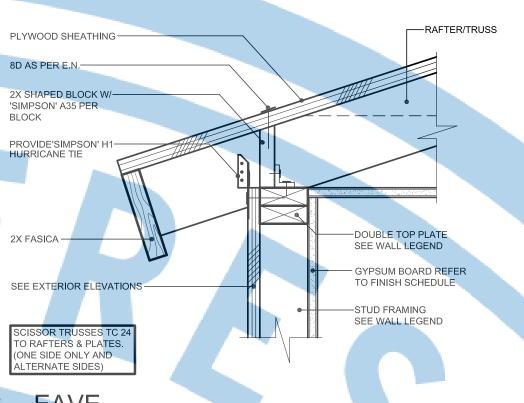
DRAWING TITLE:

ROOF & CEILING JOIST FRAMING PLAN FOR GABLE & CRAFTSMAN

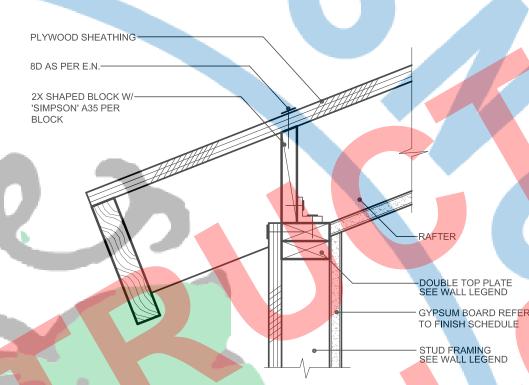
JOB# : TADU-003	SHEET NO.
DATE: 18-Apr-24	
SCALE: AS NOTED	
DRAWN BY: IRG	



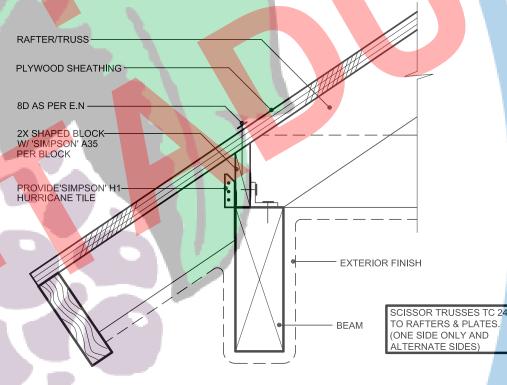




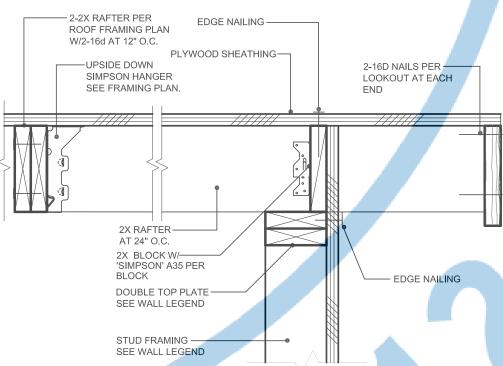
EAVE



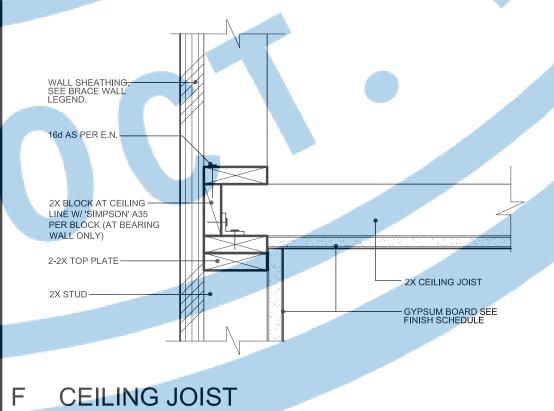
EAVE



EAVE AT BEAM



GABLE END



HEADER/BEAM SCHEDULE:

SYMBOL	HEADER/BEAM SIZE & GRADE
H1	6X8 D.F.#2
H2	4X6 D.F.#2
H3	4X8 D.F.#2
RB1	6X8 D.F.#2
RB2	6X10 D F #2

ROOF SHEATHING:

· · · · ·		
CDX PLYWOOD(OR 7/16" 24/16 O.S.B.)PSR. 24/00 NAILING (8D COMMONS OR 10D SINKERS)	SEE DETAIL
BOUNDARY	6 IN O.C.	
EDGE	6 IN O.C.	(A)
FIELD	12 IN O.C.	3.2
ATLINIO NO	TEO.	

- SHEATHING NOTES: MAXIMUM SIZE OF OPENING IN HORIZONTAL DIAPHRAGM NOT TO EXCEED 24" WITHOUT BLOCKING. PLYWOOD ROOF DIAPHRAGM SHALL BE CONTINUOUS BELOW ALL CALIFORNIA FILL FRAMING.
- ENTIRE PERIMETER SHALL BE BLOCKED.
 PROVIDE 1/8" GAP AT ALL PANEL EDGES.
 PLYWOOD SHEET USED IN THE CONSTRUCTION OF DIAPHRAGMS SHALL BE NOT LESS THAN 4'X8' IN SIZE. A. MINIMUM SIZE SHEET AT BOUNDARIES AND CHANGES IN FRAMING SHALL BE 24", UNLESS BLOCKED.

 3. NAIL SIZE, SPACING, AND TYPE PER ABOVE UNLESS NOTED OTHERWISE. ALL PLYWOOD SHALL BE GRADE-STAMPED A.P.A. AND FOLLOWING MINIMUM GRADES SHALL APPLY TO WOOD
- STRUCTURAL PANELS UNLESS SHOWN OTHERWISE ON THE DRAWINGS: A. ROOF SHEATHING SHALL BE INTERIOR GRADE WITH EXTERIOR GLUE B. EXPOSED SHEATHING SHALL BE EXPOSURE I OR CCX EXTERIOR GRADE AT EXPOSED AREA'S WITH EXTERIOR GLUE WALL SHEATHING SHALL BE INTERIOR GRADE WITH EXTERIOR GLUE.

WALL LEGEND:

DESCRIPTION HATCH WALLS DENOTES BEARING WALL. SEE FOUNDATION PLAN FOR ADDITIONAL INFORMATION. NON-BEARING WALLS: NON-BEARING WALLS. SEE FLOOR PLANS WALL LEGEND FOR ADDITIONAL INFORMATION.

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- IN COMBUSTIBLE CONSTRUCTION, FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. (R 302.11) PROVIDE FIRE BLOCKING AT THE 10-FOOT INTERVALS AND AT ALL FLOOR AND CEILING LEVELS.
- USE THE FOLLOWING LUMBER GRADES OR BETTER, UNLESS OTHERWISE NOTED:

 A. SILL PLATES, FOUND. GRD. RWD. OR P.T. DOUG FIR VERTICAL FRAMING STUDS DOUG. FIR STUD GRADE POSTS DOUG FIR STUD OR BETTER
- CEILING JOIST DOUG. FIR NO.2 OR BETTER RAFTERS, RIDGES, HIPS DOUG. FIR NO.2 OR BETTER HEADERS DOUG. FIR CONSTRUCTION GRD. OR BETTER EXPOSED BEAMS/OUTRIGGERS ARCH. GRD. D.F. (RSN. IF NOTED) EXPOSED POSTS ARCH. GRD. D.F. (RSN IF NOTED) FASCIA WINDOW FRAMES KILN DRÌED CLR. HEMLOCK/RSN . FACE
- BRACING, BACKING, PURLING DOUG. FIR STANDARD OR BETTER SPACED ROOF SHEATHING DOUG. FIR STANDARD OR BETTER SOLID "V" RUSTIC EAVES NO.2 OR BETTER, PINE OR BETTER 2X6 T&G CEILING NO.1 WHITE FIR RESAWN FACE REDWOOD SIDING CEDAR RWD. SQUARE OF "V" GROO
- OOR JAMBS, CASINGS, MOULDINGS CLEAR DOUG. FIR OR PINE SHELVING 3/4" PLYWOOD WITH HARDWOOD SILLS, SLEEPERS, PLATES, ETC. ON MASONRY OR CONCRETE. THAT IS IN DIRECT CONTACT WITH EARTH SHALL BE FOUNDATION GRADE & REDWOOD OR PRESSURE TREATED DOUGLAS FIR. THE OPENING AROUND GAS VENTS, DUCTS, PIPES, CHIMNEYS, AND FIREPLACES AT THE CEILING LEVEL SHALL BE

EXT<mark>ERIOR TRIM CLEAR RWD. OR APPEARANCE GRD. DOUG. FIR OR HEMLOCK, RESAWN FACE</mark>

FIREBLOCKED WITH NONCOMBUSTIBLE MATERIALS. GREEN VINYL SINKERS DO NOT MEET THE NAILING REQUIREMENTS FOR MOST BOX AND COMMON NAIL

DOOF VENITH ATION CALCULATIONS

ROOF VENTILATION CALCULATIONS:												
ROOF AREA	A OF	=: C	ONTEMP	ORARY A	T VAULTED	CEILIN	G					
CALCULAT	'ION	FAC	CTOR	la.	ENC	LOSE	D R	RAFT	ER B	AY	AREA	34
ENCLOSED BAY ARE			144			SQU	ARE	INC	HES I	REQ	UIRED	32.6 PER RAFTER BAY
QUANITY			7	7		TYI	PE					NET AREA PROVIDED
6 TOTAL (3 PER BAY)					DLES DRILL APPROXIN							40.2
2 TOTAL (1 PER BAY)					OLE AT BL						BAYS	50.0
				TOTA	L VENT	ΓILAT	ION	PEF	RAF	TER	BAY	40.2 (AT RAFTERS) 50.0 (AT TJI)
ROOF AREA	4 OF	= : C	ONTEMP	ORARY A	T ATTIC SP	ACE						
CALCULAT	ION	FAC	CTOR	/			А٦	TTIC	SPA	CE	AREA	190
ATTIO OD	AOE	1		1								

ı	CALCULAT	ION FACTO	R		ATTI	C SPAC	E AREA	190
	ATTIC SPA			SQI	UARE IN	ICHES R	QUIRED	92
┨	QUANITY	SIZE		Τ`	YPE			NET AF PROVID
	1	LOW PROFILE	UPPER VENTILAT VENT (43 SQ.IN.)	ION GALVA	ANIZED LOW	PROFILE D	DRMER	43

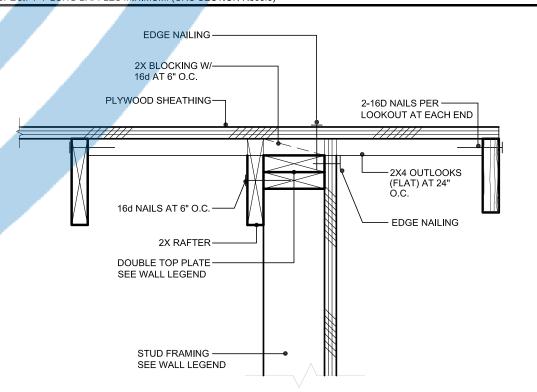
		VEIVI (+3 0Q.IIV.)				
			40% UF	PER	VENTILATION	37
			50% UF	PER	VENTILATION	46
2	3 1/2"X22 1/2"	LOWER VENTILATION	GALVANIZED	EAVE V	ENT (33 SQ.IN.)	66
			TOTAL A	TTIC	VENTILATION	109
ROOF AREA	A OF: CONTE	EMPORARY AT ATTIC SE	PACE W/PORC	H OPTIC	DN	
CALCULAT	ION FACTO	OR	A.	TTIC	SPACE AREA	260
ATTIC SPA		1	SQUARE	INCH	IES REQUIRED	125
QUANITY	SIZE		TYPE			NET AREA PROVIDED
2	LOW PROFILE	UPPER VENTILATION VENT (43 SQ.IN.)	GALVANIZED	LOW PR	OFILE DORMER	86
		7	40% UF	PER	VENTILATION	50
			50% UF	PER	VENTILATION	62

ROOF VENTILATION NOTES

MIN. 1" AIR SPACE BETWEEN INSULATION AND ROOF SHEATHING. WHERE EAVE OR CORNICE VENTS ARE INSTALLED

TOTAL ATTIC VENTILATION

3 1/2"X22 1/2" LOWER VENTILATION GALVANIZED EAVE VENT (33 SQ.IN.)



GABLE END



PLANNING AND DEVELOPMENT
DEPARTMENT
FRESNO CITY HALL
2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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PROJECT:

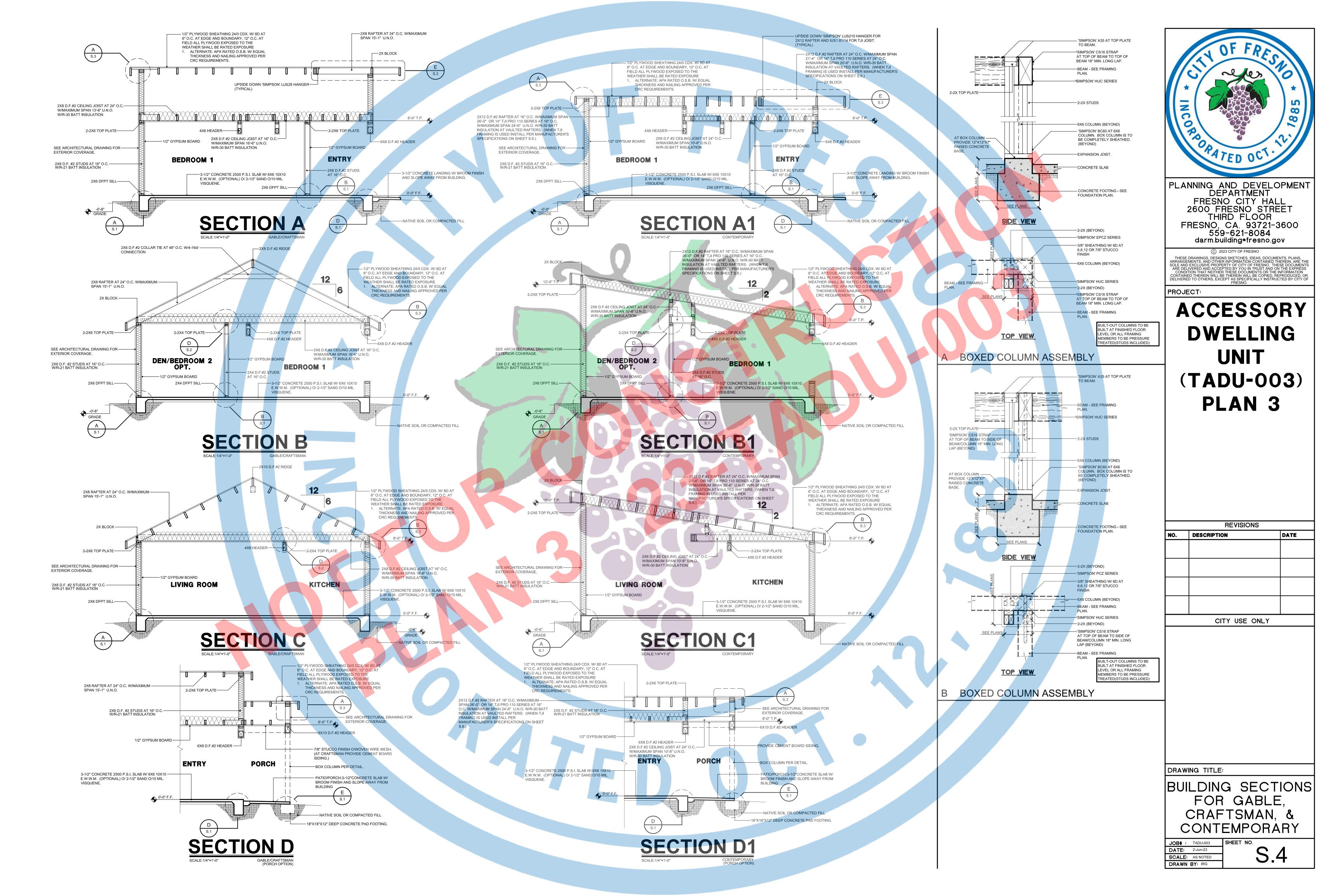
ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

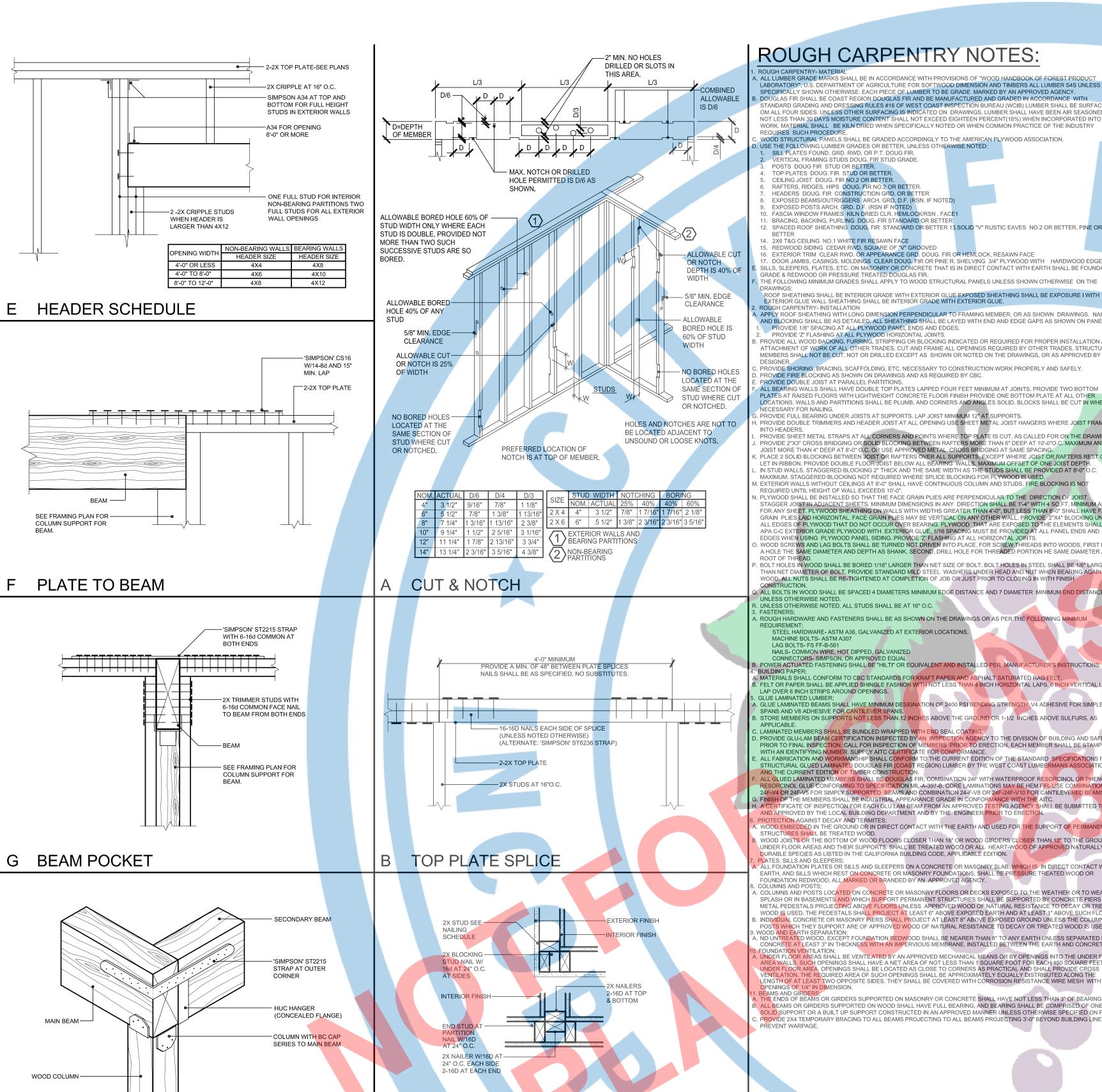
REVISIONS									
NO.	DESCRIPTION	DATE							
	CITY USE C	NLY							

DRAWING TITLE:

ROOF & CEILING JOIST FRAMING PLAN FOR CONTEMPORARY

JOB# : TADU-003	SHEET NO.
DATE : 11-Aug-23	
SCALE: AS NOTED] 5.5
DRAWN BY: IRG	1 0.0





C WALL INTERSECTION

SEE ARCHITECTURAL FOR

TYPE OF ROOFING MATERIA

AND UNDERLAYMENT

48" LONG X 1/2" GYPSUM-

2X BLOCK -

2X R.S. FASCIA

45°-60° EVERY 25 LINEAL FEET

BATT INSULATION AT

FIRE BLOCKING REQ'D WHERE -

BEARINGS FOOTINGS TO — EXTEND 12" MIN. INTO UNDISTURBED SOIL

D WALL SECTION - CONCRETE SLAB

TOP PLATE HEIGHT EXCEEDS

3-2X CORNER W/BLOCKING AT -

TOP, BOTTOM, AND CENTER

BEAM TO BEAM AT WOOD COLUMN

TOP PLATE TO CONTINUOUS STUDS

2-2X BLOCKING -

2X STUDS-

2X CONTINUOUS -

2X BOTTOM PLATE

CEILING JOIST -

DOUBLE TOP—— PLATE SEE WALL LEGEND

2X STUDS-

2X BLOCKING -

ROUGH CARPENTRY NOTES: A ALL LUMBER GRADE MARKS SHALL BE IN ACCORDANCE WITH PROVISIONS OF "WOOD HANDBOOK OF FOREST PRODUCT LABORATORY", U.S. DEPARTMENT OF AGRICULTURE FOR SOFTWOOD DIMENSION AND TIMBERS ALL LUMBER S4S UNLESS A. SIZE: STUDS IN EXTERIOR WALLS AND INTERIOR BEARING WALLS OF BUILDING NOT MORE THAN 2 STORIES IN HEIGHT SHALL SPECIFICALLY SHOWN OTHERWISE. EACH PIECE OF LUMBER TO BE GRADE MARKED BY AN APPROVED AGENCY B. DOLIGI AS FIR SHALL BE COAST REGION DOUGLAS FIR AND BE MANUFACTURED AND GRADED IN ACCORDANCE WITH

STANDARD GRADING AND DRESSING RULES #16 OF WEST COAST INSPECTION BUREAU (WCIB) LUMBER SHALL BE SURFACED OM ALL FOUR SIDES. UNLES<mark>S OTHER SURFACING IS IND</mark>ICATED ON DRAWINGS. LUMBER SHALL HAVE BEEN AIR SEASONED FOR NOT LESS THAN 30 DAYS MOISTURE CONTENT SHALL NOT EXCEED EIGHTEEN PERCENT(18%) WHEN INCORPORATED INTO THE WORK. MATE<mark>RIAL SHALL BE KILN DR</mark>IED WHEN SPECIFICALLY NOTED OR WHEN COMMON PRACTICE OF THE INDUSTRY WOOD STRUCTURAL PANELS SHALL BE GRADED ACCORDINGLY TO THE AMERICAN PLYWOOD ASSOCIATION. JSE THE FOLLOWING LUMBER GRADES OR BETTER, UNLESS OTHERWISE NOTED: SILL PLATES FOUND. GRD. RWD. OR P.T. DOUG FIR.

ERTICAL FRAMING STUDS DOUG, FIR STUD GRADE. POSTS DOUG FIR STUD OR BETTER. TOP PLATES DOUG FIR STUD OR BETTER CEILING JOIST DOUG, FIR NO.2 OR BETTER.

PROVIDE DOUBLE JOIST AT PARALLEL PARTITIONS.

LAG BOLTS- FS FF-B-561

1X6 TIES AT 48"——

DOOR

FOOTINGS EXTEND 12'

NAILS- COMMON WIRE, HOT DIPPED, GALVANIZED

CONTINUOUS PURLIN SAME

MINIMUM

TRIMMER

— 2X BRACING AT 48" O.C. TO

BEARING WALL, 45°

SIZE AS RAFTERS

└─2X D.F.P.T. SILL

HEADERS DOUG. FIR CONSTRUCTION GRD. OR BETTER EXPOSED BEAMS/OUTRIGGERS ARCH. GRD. D.F. (RSN. IF NOTED) EXPOSED POSTS ARCH. GRD. D.F. (RSN IF NOTED) FASCIA WINDOW FRAMES KILN DRIFT CLR HEMLOCK/RSN FACE

BRACING, BACKING, PURLING DOUG. FIR STANDARD OR BETTER SPACED ROOF SHEATHING DOUG, FIR STANDARD OR BETTER 13.SOLID "V" RUSTIC EAVES NO.2 OR BETTER, PINE OR . 2X6 T&G CEILING NO.1 WHITE FIR RESAWN FACE

. REDWOOD SIDING CEDAR RWD. SQUARE OF "V" GROOVED 16. EXTERIOR TRIM CLEAR RWD. OR APPEARANCE GRD. DOUG. FIR OR HEMLOCK, RESAWN FACE
17. DOOR JAMBS, CASINGS, MOLDINGS CLEAR DOUG. FIR OR PINE R. SHELVING 3/4" PLYWOOD WITH HARDWOOD EDGE SILLS, SLEEPERS, PLATES, ETC. ON MASONRY OR CONCRETE THAT IS IN DIRECT CONTACT WITH EARTH SHALL BE FOUNDATION GRADE & REDWOOD OR PRESSURE TREATED DOUGLAS FIR. HE FOLLOWING MINIMUM GRADES SHALL APPLY TO WOOD STRUCTURAL PANELS UNLESS SHOWN OTHERWISE ON THE

ROOF SHEATHING SHALL BE INTERIOR GRADE WITH EXTERIOR GLUE EXPOSED SHEATHING SHALL BE EXPOSURE I WITH EXTERIOR GLUE WALL SHEATHING SHALL BE INTERIOR GRADE WITH EXTERIOR GLUE.
ROUGH CARPENTRY- INSTALLATION AND BLOCKING SHALL BE AS DETAILED, ALL SHEATHING SHALL BE LAYED WITH END AND EDGE GAPS AS SHOWN ON PANEL.

1. PROVIDE 1/8" SPACING AT ALL PLYWOOD PANEL ENDS AND EDGES.

PROVIDE ALL WOOD BAC<mark>KING. FURRIN</mark>G. STRIPPING OR BLOCKING INDICATED OR REQUIRED FOR PROPER INSTALLATION AND ATTACHMENT OF WORK OF ALL OTHER TRADES. CUT AND FRAME ALL OPENINGS REQUIRED BY OTHER TRADES. STRUCTURAL IEMBERS SHALL <mark>NOT BE CU</mark>T, NOT OR DRILLED EXCEPT AS SHOWN OR NOTED ON THE DRAWINGS, OR AS APPROVED BY THE ROVIDE <mark>SHORING</mark>, BRACING, SCAFFOLDING, ETC. NECESSARY TO CONSTRUCTION WORK PROPERLY AND SAFELY. ROVIDE FIRE BLOCKING AS SHOWN ON DRAWINGS AND AS REQUIRED BY CBC.

ALL BEARING WALLS SHALL HAVE DOUBLE TOP PLATES LAPPED FOUR FEET MINIMUM AT JOINTS. PROVIDE TWO BOTTOM PLATES AT RAISED FLOORS WITH LIGHTWEIGHT CONCRETE FLOOR FINISH PROVIDE ONE BOTTOM PLATE AT ALL OTHER OCATIONS. WALLS AND PARTITIONS SHALL BE PLUMB, AND CORNERS AND ANGLES SOLID. BLOCKS SHALL BE CUT IN WHERE ECESSARY FOR NAILING. PROVIDE FULL BEARING UNDER JOISTS AT SUPPORTS. LAP JOIST MINIMUM 12" AT SUPPORTS. PROVIDE DOUBLE TRIMMERS AND HEADER JOIST AT ALL OPENING USE SHEET METAL JOIST HANGERS WHERE JOIST FRAME PROVIDE SHEET METAL STRAPS AT ALL CORNERS AND POINTS WHERE TOP PLATE IS CUT, AS CALLED FOR ON THE DRAWING PROVIDE 2"X3" CROSS BRIDGING OR SOLID BLOCKING BETWEEN RAFTERS MORE THAN 6" DEEP AT 10'-0"O.C. MAXIMUM AND FO JOIST MORE THAN 4" DEEP AT 8'-0" O.C. OR USE APPROVED METAL CROSS BRIDGING AT SAME SPACING. PLACE 2 SOLID BLOCKING BETWEEN JOIST OR RAFTERS OVER ALL SUPPORTS, EXCEPT WHERE JOIST OR RAFTERS REST ON LET IN RIBBON. PROVIDE DOUBLE FLOOR JOIST BELOW ALL BEARING WALLS, MAXIMUM OFFSET OF ONE JOIST DEPTH. N STUD WALLS, STAGGERED BLOCKING 2" THICK AND THE SAME WIDTH AS TH<mark>E STUDS SHALL BE PROVIDED AT 8'-0"</mark> O MAXIMUM, STAGGERED BLOCKING NOT REQUIRED WHERE SPLICE BLOCKING FOR PLYWOOD IS USED. EXTERIOR WALLS WITHOUT CEILINGS AT 8'-0" SHALL HAVE CONTINUOUS COLUMN AND STUDS. FIRE BLOCKING IS N

REQUIRED UNTIL HEIGHT OF WALL EXCEEDS 10'-0". PLYWOOD SHALL BE INSTALLED SO THAT THE FACE GRAIN PLIES ARE PERPENDICULAR TO THE DIRECTION OF JOIST STAGGER JOI<mark>ST IN ADJACENT SHEETS. MINIMUM DIMENSIONS IN ANY DIRECTION SHALL BE 1'-4" WITH 4 SQ.</mark>FT. M<mark>INIMUM</mark> AREA FOR ANY SHEET. PLYWOOD SHEATHING ON WALLS WITH WIDTHS GREATER THAN 4'-0", BUT LESS THAN 8"-0" SHALL HAVE FACE GRAIN PLIES LAID HORIZONTAL. FACE GRAIN PLIES MAY BE VERTICAL ON ANY OTHER WALL. PROVIDE 2"X4" BLOCKING UNDER ALL EDGES OF PLYWOOD THAT DO NOT OCCUR OVER BEARING. PLYWOOD THAT ARE EXPOSED TO THE ELEMENTS SHALL BE APA C-C EXTERIOR GRADE PLYWOOD WITH EXTERIOR GLUE. 1/16 SPACING MUST BE PROVIDED AT ALL PANEL ENDS AND EDGES WHEN USING PLYWOOD PANEL SIDING. PROVIDE 'Z' FLASHING AT ALL HORIZONTAL JOINTS. D. WOOD SCRE<mark>WS AND LAG BOLTS SHALL BE TURNED NOT DRIVEN</mark> INTO PLACE. FOR SCREW THREADS INTO WOODS, FIRST BORE A HOLE THE SAME DIAMETER AND DEPTH AS SHANK, SECOND, DRILL HOLE FOR THREADED PORTION HE SAME DIAMETER AS

THAN NET DIAMETER OF BOLT. PROVIDE STANDARD MILD STEEL WASHERS UNDER HEAD AND NUT WHEN BEARING AGA WOOD. ALL NUTS SHALL BE RE-TIGHTENED AT COMPLETION OF JOB OR JUST PRIOR TO CLOSING IN WITH FINISH ALL BOLTS IN WOOD SHALL BE SPACED 4 DIAMETERS MINIMUM EDGE DISTANCE AND 7 DIAMETER MINIMUM END DISTANCE JNLESS OTHERWISE NOTED, ALL STUDS SHALL BE AT 16" O.C.

ROUGH HARDWARE AND FASTENERS SHALL BE AS SHOWN ON THE DRAWINGS OR AS PER THE FOLLOWING MINIMUM STEEL HARDWARE- ASTM A36, GALVANIZED AT EXTERIOR LOCATIONS MACHINE BOLTS- ASTM A307

CONNECTORS- SIMPSON, OR APPROVED EQUAL

B. POWER ACTUATED FASTENING SHALL BE "HILTI" OR EQUIVALENT AND INSTALLED PER MANUFACTURE FELT OR PAPER SHALL BE APPLIED SHINGLE FASHION WITH NOT LESS THAN 4 INCH HORIZONTAL LAPS, 6 INCH VERTICAL LAPS, LAP OVER 6 INCH STRIPS AROUND OPENINGS. GLUE LAMINATED BEAMS SHALL HAVE MINIMUM DE<mark>SIGNA</mark>TION OF 2400 PSI B<mark>ENDIN</mark>G STR<mark>ENGTH,</mark> V4 ADHESIVE FOR SIMPLE SPANS AND V8 ADHESIVE FOR CANTILEVER SPANS.

STORE MEMBERS ON SUPPORTS NOT LESS THAN 12 INCHES ABOVE THE GROUND OR 1-1/2 INCHES ABOVE SULFURS, AS

APPLICABLE.

C. LAMINATED MEMBERS SHALL BE BUNDLED WRAPPED WITH END SEAL COATING.

D. PROVIDE GLU-LAM BEAM CERTIFICATION INSPECTED BY AN INSPECTION AGENCY TO THE DIVISION OF BUILDING AND SAFETY PRIOR TO FINAL INSPECTION. CALL FOR INSPECTION OF MEMBERS PRIOR TO ERECTION. EACH MEMBER SHALL BE STAMPED WITH AN IDENTIFYING NUMBER. SUPPLY AITC CERTIFICATE FOR CONFORMANCE.

E. ALL FABRICATION AND WORKMANSHIP SHALL CONFORM TO THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED DOUGLAS FIR (COAST REGION) LUMBER BY THE WEST COAST LUMBERMANS ASSOCIATION

AND THE CURPENT EDITION OF TIMEED CONSTRUCTION. E DOUGLAS FIR, COMBINATION 24F WITH WATERPROOF RESORCINOL OR PHENOL RESORCINOL GLUE CONFORMING TO SPECIFICATION MIL-A-397-B. CORE LAMINATIONS MAY BE HEM FIR. USE COMBINATIONS 24F-V4 OR 24F-V5 FOR SIMPLY SUPPORTED BEAMS AND COMBINATION 24-F-V8 OR 24F-24F-V10 FOR CANTILEVERED BEAMS. G. FINISH OF THE MEMBERS SHALL BE INDUSTRIAL APPEARANCE GRADE IN CONFORMANCE WITH THE AITC.
H. A CERTIFICATE OF INSPECTION FOR EACH GLU LAM BEAM FROM AN APPROVED TESTING AGENCY SHALL BE SUBMITTED TO AND APPROVED BY THE LOCAL BUILDING DEPARTMENT AND BY THE ENGINEER PRIOR TO ERECTION. WOOD EMBEDDED IN THE GROUND OR IN DIRECT CONTACT WITH THE EARTH AND USED FOR THE SUPPORT OF PERMANENT STRUCTURES SHALL BE TREATED WOOD. WOOD JOISTS OR THE BOTTOM OF WOOD FLOORS CLOSER THAN 18" OR WOOD GIRDERS CLOSER THAN 12" TO THE GROUND UNDER FLOOR AREAS AND THEIR SUPPORTS. SHALL BE TREATED WOOD OR ALL HEART-WOOD OF APPROVED NATURALLY JRABLE SPECIES AS LISTED IN THE CALIFORNIA BUILDING CODE, APPLICABLE EDITION. LL FOUNDATION PLATES OR SILLS AND SLEEPERS ON A CONCRETE OR MASONRY SLAB, WHICH IS IN DIRECT CONTACT WITH EARTH, AND SILLS WHICH REST ON CONCRETE OR MASONRY FOUNDATIONS, SHALL BE PRESSURE TREATED WOOD OR FOUNDATION REDWOOD, ALL MARKED OR BRANDED BY AN APPROVED AGENCY. COLUMNS AND POSTS LOC<mark>ATED</mark> ON CONCRETE OR MASONRY FLOORS OR DECKS EXPOSED TO THE WEATHER OR TO WEATHER SPLASH OR IN BASEMENTS AND WHICH SUPPORT PERMANENT STRUCTURES SHALL BE SUPPORTED BY CONCRETE PIERS OR

WOOD IS USED. THE PEDESTALS SHA<mark>LL PROJECT AT</mark> LEAST 6" ABOVE EXPOSED EARTH AND AT LEAST 1" ABOVE SUCH FLOORS NDI<mark>VIDUA</mark>L CONCRETE OR MASONRY <mark>PIERS SHALL PR</mark>OJECT AT LEAST 8" ABOVE EXPOSED GROUND UNLESS THE COLUMNS OR POS<mark>TS WHI</mark>CH THEY SUPPORT ARE OF APPROV<mark>ED WO</mark>OD OF NATURAL RESISTANCE TO DECAY OR TREATED WOOD IS USED. OSIS WHICH THE TOOL ON THE SOLUTION;

NO UNITED TOOL OF THE TOOL O NDER FLOOR AREAS SHALL BE VENTILATED BY AN APPROVED MECHANICAL MEANS OR BY OPENINGS INTO THE UNDER FLOOR AREA WALLS, SUCH OPENINGS SHALL HAVE A NET AREA OF NOT LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET (
JNDER FLOOR AREA. OPENINGS SHALL BE LOCATED AS CLOSE TO CORNERS AS PRACTICAL AND SHALL PROVIDE CROSS ENTILATION. THE REQUIRED AREA OF SUCH OPENINGS SHALL BE APPROXIMATELY EQUALLY DISTRIBUTED ALONG THE ENGTH OF AT LEAST TWO OPPOSITE SIDES. THEY SHALL BE COVERED WITH CORROSION RESISTANCE WIRE MESH. WITH MESH

METAL PEDESTALS PROJE<mark>CTING</mark> ABO<mark>VE FLOORS U</mark>NLESS APPROVED WOOD OF NATURAL RESISTANCE TO DECAY OR TREATED.

LE ENDS OF BEAMS OR GIRDERS SUPPORTED ON MASONRY OR CONCRETE SHALL HAVE NOT LESS THAN 3" OF BEAR ALL BEAMS OR GIRDERS SUPPORTED ON WOOD SHALL HAVE FULL BEARING, <mark>AND BEARING SHALL BE COMPR</mark>ISED OF ONE (1) SOLID SUPPORT OR A BUILT UP SUPPORT CONSTRUCTED IN AN APPROVED MANNER UNLESS OTHERWISE SPECIFIED ON PLANS. ROVIDE 2X4 TEMPORARY BRACING TO ALL BEAMS PROJECTING TO ALL BEAMS PROJECTING 3'-0" BEYOND BUILDING LINE TO

-IF TOP PLATE IS CUT FOR HEATING STACK, OR PIPE, TIE WITH METAL STRAP - 1 1/2" X

1/8" AND 4-16d EACH SIDE

ALL HORIZ. LUMBER TO BE D.F NO.2 OR BETTER, ALL OTHER

CONST. GRADE OR BETTER (UNLESS OTHERWISE NOTED)

-1/2"Ø X10" A B 'S AT 72" O C 2" MAX FROM ENDS OF EACH

—3 1/2" CONCRETE SLAB W/6X6, 10X10 E.W.W.M. (OPTIONAL) O/2 1/2" SAND O/6 MIL. VISQUENE MIL. VISQUENE (OPTIONAL).

EDGE NAILING

BE NOT LESS THAN 2"X4" IN SIZE. FOR THREE STORY BUILDINGS SUCH STUDS SHALL NOT BE LESS THAN 3"X4"OR 2"X6" TO THI BOTTOM OF THE SECOND FLOOR JOISTS AND 2"X4" FOR THE TWO UPPER STORIES. INTERIOR NONBEARING PARTITIONS MAY E B. HEIGHT: UNLESS SUPPORTED LATERALLY BY ADEQUATE FRAMING, THE MAXIMUM ALLOWABLE HEIGHT FOR STUDS SHALL BE 14'-0" FOR 2"X4" AND 3"X4" STUD; AND 20'-0" FOR 2"X6". REFER TO ENGINEERS CALCULATIONS FOR ANY "BALLOON FRAMED" BEARING WALLS MORE THAN 10'-0" IN HT.
C. SPACING: STUDS SUPPORTING FLOORS, CEILING, RAFTERS SHALL BE SPACED NOT MORE THAN 16". . CRIPPLE WALLS: SHALL BE FRAMED ON STUDS NOT LESS IN SIZE THAN THE STUDDING ABOVE OR SHALL BE FRAMED OF SOLID

BLOCKING. WHEN EXCEEDING 4'-0" IN HEIGHT, SUCH WALLS SHALL BE FRAMED OF STUDS HAVING THE SIZE REQUIRED FOR AN

TWO PIECES OF 2" FRAMING LUMBER PLACED ON EDGE AND SECURELY FASTENED TOGETHER OR 4" LUMBER OF EQUIVALENT CROSS SECTION. ALL OPENING MORE THAN 4'-0"WIDE SHALL BE PROVIDED WITH HEADERS OR LINTELS. EACH END OF A LINTEL

E. HEADERS: ALL OPENINGS 4'-0"WIDE OR LESS IN BEARING WALLS SHALL BE PROVIDED WITH HEADERS CONSISTING OF EITHER

OR HEADER SHALL HAVE A LENGTH OF BEARING OF NOT LESS THAN 1 1/2" FOR THE FULL WIDTH OF THE LINTEL. (SEE ROOF FRAMING PLAN FOR DETAILS) F. PIPES IN WALLS: STUD PARTITIONS CONTAINING PLUMBING, HEATING, OR OTHER PIPES SHALL BE SO FRAMED AND THE JOISTS DERNEATH SO <mark>SPACE</mark>D AS TO G<mark>IVE PR</mark>OPER CLEARANCE FOR THE PIPING. WHERE A PARTITION CONTAINING SUCH PIF RUNS PARALLEL TO THE FLOOR JOISTS. THE JOISTS. UNDERNEATH SUCH PARTITIONS SHALL BE DOUBLED AND SPACED TO PERMIT THE PASSAGE OF SUCH PIPES AND SHALL BE BRIDGED. WHERE PLUMBING, HEATING OR OTHER PIPES ARE PLACED IN OR PARTLY IN A PARTITION NECESSITATING THE CUTTING OF THE SOLES OR PLATES, A METAL TIE NOT LESS THAN 16 GALVANIZED GAUGE AND 1 1/2" WIDE SHALL BE FASTENED TO EACH PLATE ACROSS AND TO EACH SIDE OF THE OPENING WIT 3. BRIDGING: ALL STUD PARTITIONS OR WALLS WITH STUDS HAVING A HEIGHT TO AT LEAST THICKNESS RATIO EXCEEDING 50 SHALL HAVE BRIDGING NOT LESS THAN 2"IN THICKNESS AND OF THE SAME WIDTH AS THE STUDS FITTED SNUGLY AND NAILEI HERE TO PROVIDE ADEQUATE LATERAL SUPPORT. HING EXTERIOR WALLS AND BEARING PARTITIONS: ANY WOOD STUD MAY BE CUT OR NOTCH TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. CUTTING OR NOTCHING OF STUDS TO A DEPTH NOT GREATER THAN 40 PERCENT OF THE WIDTH THE STUD IS PERMITTED IN NONBEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF . JOISTS, BEAMS, AND GIRDERS: USE LONGEST PRACTICABLE LENGTHS, PLACE WITH CROWN SIDE UP. WHERE MEMBERS CANTILEVER, PLACE CROWN SIDE DOWN.

J. BORED HOLES: A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH MAY BE BORED IN ANY WOOD STUD. BORED HOLES NOT GREATER THAN 60 PERCENT OF THE WIDTH OF THE STUD ARE PERMITTED IN NON BEARING I<mark>TIONS OR IN ANY</mark> WALL WHERE EACH STUD IS DOU<mark>BL</mark>ED, PROVIDED NOT MO<mark>RE THAN</mark> TWO SUCH SUCCESSIVE DOUBLE

STUDS ARE SO BORED. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8" TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF THE STUD AS A CUT OR NOTCH.

TEMPORARY WALL BRACING: FRAMER IS RESPONSIBLE FOR INSTALLING TEMPORARY WALL BRACING TO ADEQUATELY SUPPORT FRAMING DURING CONSTRUCTION. THIS BRACING TO REMAIN IN PLACE UNTIL STRUCTURAL INTEGRITY HAS BEEN 3 FIRE BLOCKS AND DRAFT STOPS: A. IN COMBUSTIBLE CONDUCTION, FIRE BLOCKING AND DRAFTSTOPPING SHALL BE INSTALLED TO CUT OFF ALL CONCEALE DRAFT OPENINGS(BOTH VERTICAL AND HORIZONTAL) AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND ROOF OR ATTIC SPACE, AND SHALL SUBDIVIDE ATTIC SPACES, CONCEALED ROOF SPACES AND FLOOR CEILING ASSEMBLIES. THE INTEGRITY OF ALL FIRE BLOCKS AND DRAFT STOPS SHALL BE MAINTAINED.

B. FIRE BLOCKS SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS: IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS AND AT 10'-0" INTERVALS BOTH VERTICAL AND HORIZONTAL. EXCEPTION: FIRE BLOCKS MAY BE OMITTED AT FLOOR AND CEILING LEVELS WHEN APPROVED SMOKE ACTUATED FIR AMPERS ARE INSTALLED AT THESE LEVELS AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALON AND IN LINE WITH THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED.

AN OPENING AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS WHICH AFFORD A PASSAG FOR FIRE AT CEILINGS AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

DPENING BETWEEN ATTIC SPACES AND CHIMNEY CHASES FOR FACTORY BUILT CHIMNEYS

XCEPT WHERE JOISTS ARE SUPPORTED ON A 1" X 4" RIBBON STRIP AND NAILED TO THE ADJOINING STUD, THE NDS OF EACH JOIST SHALL HAVE NOT LESS TH<mark>AN 1 1/2" OF BEARING ON WO</mark>OD OR METAL, NOR NO LESS THAN 3" ON B. BLOCKING: JOISTS SHALL BE SUPPORTED LATERALLY AT THE ENDS AND AT EACH SUPPORT BY SOLID BLOCKING EXCEPT
WHERE THE ENDS OF JOISTS ARE NAILED TO A HEADER, BAND OR RIM JOIST OR TO AN ADJOINING STUD OR BY OTHER
APPROVED MEANS, SOLID BLOCKING SHALL BE NOT LESS THAN 2" NOMINAL IN THICKNESS AND THE FULL DEPTH OF JOIST, NOTCHES AND HOLES: NOTCHES ON THE ENDS OF JOISTS SHALL NOT EXCEED ONE FOURTH OF THE JOIST DEPTH. HOLES BORED IN JOISTS SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OF THE JOISTS, AND THE DIAMETER OF ANY SUC HOLE SHALL NOT EXCEED ONE THIRD THE DEPTH OF THE JOIST, NOTCHES IN THE TOP OR BOTTOM OF JOISTS SHALL NOT IE SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. APS: JOIST FRAMING FROM OPPOSITE SIDES OF A BEAM, OR PARTITION SHALL BE LAPPED AT LEAST 5" OR THE OPPOSING LOIST SHALL BE TIED TOGETHER IN AN APPROVED MANNER. A<mark>MING ANCHORS: JOIST FRAMING INTO THE SIDE OF</mark> A WOOD GIRDER OR PARTITION SHAL<mark>L BE SU</mark>PPOR<mark>TED BY</mark> FRAMIN ANCHORS OR ON LEDGER STRIPS NOT LESS THAN 2 INCHES BY 2 INCHES.
F. FRAMING AROUND OPENINGS: TRIMMER AND HEADER JOISTS WHEN FRAMED AROUND OPENINGS SHALL BE DOUBLED, OR C LUMBER OF EQUIVALENT CROSS SECTION, WHEN THE SPAN OF THE HEADER EXCEEDS 4'-0". THE ENDS OF THE HEADER JOI MORE THAN 6'-0" LONG SHALL BE SUPPORTED BY FRAMING ANCHORS OR JOIST HANGERS UNLESS BEARING ON A BEAI PARTITION OR WALL. TAIL JOISTS OVER 12'-0" LONG SHALL BE SUPPORTED AT HEADER BY FRAMING ANCHORS OR ON L S. SUPPORTING BEARING POSITIONS: BEARING PARTITIONS PERPENDICULAR TO JOIST SHALL NOT BE OFFSET FROM THE SUPPORTING GIRDERS, WALLS OR PARTITIONS MORE THAN THE JOIST DEPTH. JOISTS UNDER THE PARALLEL TO BEARIN

EXTERIOR TYPE PLYWOOD IN GROUP SPECIES OF 1, 2, OR 3.
GLUE FOR FLOOR SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION SPEC. AFG-01. ACH SHEET OF PLYWOOD SH<mark>ALL BE IDENTIFIE</mark>D BY A R<mark>EGISTE</mark>RED STAMP OR BRAND OF THE AMERICAN PLYWOOD

PLYWOOD COMBINATION SUB FLOOR UNDERLAYM<mark>ENT SHE</mark>ATHING CON<mark>TINUOUS</mark> OVE<mark>R TWO</mark>OR MORE SPANS SHALL BE A MINIMUM 5/8" THICK TONGUE AND GROOVE AND HAVE A PANEL IDENTIFICATION INDEX AS REQUIRED FOR THE FLOOR JOIST

A. FRAMING RAFTERS: SHALL BE FRAMED DIRECTLY OPPOSITE EACH OTHER AT THE RIDGE. THERE SHALL BE A RIDGE BOARD AT LEAST 2" NOMINAL THICKNESS AT ALL RIDGES AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. AT ALL VALLEYS AND HIPS THERE SHALL BE A SINGLE VALLEY OR HIP RAFTER NOT LESS THEN 2" NOMINAL THICKNESS AND NOT LESS IN DEPTH THEN THE CUT. END OF THE RAFTERS. ERS: SHALL BE NAILED TO ADJACENT CEILING JOISTS TO FORM A CONTINUOUS TIE BETWEEN EXTERIOR WALLS WHEN UCH J<mark>OISTS</mark> ARE PARALLEL TO THE RAFTERS. WHERE NOT PARALLEL RAFTERS SHALL BE TIED TO 1"X4"(NOMINAL) MINIMUM IZE CROSS TIES. RAFTER TIES SHALL BE SPACED NOT MORE THAN 4'-0" ON CENTER. C. PURLINS: TO SUPPORT ROOF LOADS MAY BE INSTALLED TO REDUCE THE SPAN OF RAFTERS WITHIN ALLOW-ABLE LIMITS AND SHALL BE SUPPORTED BY STRUTS TO BEARING WALLS. THE MAXIMUM SPAN OF 2"X4" PURLINS SHALL BE 4'-0". THE MAXIMUM SPAN OF THE 2"X6" PURLIN SHALL BE 6'-0" BUT IN NO CASE SHALL THE PURLIN BE SMALLER THAN THE SUPPORTED RAFTER. STRUTS SHALL NOT BE SMALLER THAN 2"X4" MEMBERS. THE UNBRACED LENGTH OF STRUTS SHALL NOT EXCEED 8'-0" AND THE MINIMUM SLOPE OF THE STRUTS SHALL BE NOT LESS THAN 45 DEGREE'S FROM THE HORIZONTAL. OCKING: RAFTERS MORE THAN 8" IN DEPTH SHALL BE SUPPORTED LATERALLY AT THE ENDS AND AT EACH SUPP <mark>SOLID</mark> BLOCKING N<mark>OT LE</mark>SS THAN 2" IN THICKNESS AND THE FULL DEPTH OF THE RAFTER UNLESS NAILED TO A HEADER, BAND OR RIM JOIST OR TO AN ADJOINING STUD AND AS REQUIRED BY SECTION 2320.12.8

A. MANUFACTURER SHALL SUPPLY TO THE DE<mark>SIG</mark>NER AND THE BUILDING DEPARTMENT CALCULATIONS AND SHOP DRAWI<mark>NGS F</mark> ROVAL TO DE<mark>SIGN LOADS, CONFIGUR</mark>ATION (2 OR 3 POINT BEARING), AND SHEAR TRANSFER, PRIOR TO FABRICATI<mark>ON. AL</mark> CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED. IN THE STATE WHEREIN HE PROJECT IS TO BE BUILT. IT SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER TO OBTAIN BUILDING DEPARTMEN APPROVAL OF CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICATIONS. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST LOCAL BUILDING CODE FOR ALL LOADS IMPOSED, INCLUDI FERAL LOADS AND MECHANICAL EQUIPMENT LOADS. ALL CONNECTORS SHALL BE ICC APPROVED AND OF ADEQUATE STRENGTH TO RESIST STRESSES DUE TO LOADING <mark>INVO</mark>LVE . DEAD LOAD DEFLECTIONS SHALL BE LIMITED TO L/240. S BRIDGING AND/OR BRACING SHALL BE PROVIDED AND DETAILED AS REQUIRED TO ADEQUATELY BRACE ALL TRUSSI SEE STRUCTURAL CALCULATIONS.) RUSSES STORED PRIOR TO ERECTION SHALL BE PROTECTED FROM THE WEATHER AND HANDLED WITH CARE TO AVOID MAGE. NOTIFY TRUSS MANUFACTURER IMMEDIATELY OF ANY DAMAGED TRUSSES. CONTRACTOR SHALL NOT <mark>ATTEM</mark>PTED REPAIR DAMAGED AND/OR BROKEN TRUSSES RUSS MANUFACTURER SHALL VERIFY ALL DIMENSIONS AT THE JOB SITE PRIOR TO FABRICATION OF TRUSSES. HE GENERAL CONTRACTOR SHALL NOT PERMIT CUTTING, DRILLING, OR ANY OTHER DAMAGE TO TRUSSES.

FIELD REPAIRS TO DAMAGED TRUSSES BY THE CONTRACTOR SHALL NOT BE MADE WITHOUT PRIOR APPROVAL FROM THE TRUSS MANUFACTURER. CONTRACTOR SHALL INSTALL TEMPORARY HORIZONTAL AND CROSS BRACING TO HOLD TRUSSES PLUMB AND IN SAFE CONDITION UNTIL PERMANENT BRACING IS INSTALLED. K. THE GENERAL CONTRACTOR SHALL EXERCISE CARE TO PREVENT OVER STRESSING OF TRUSSES DUE TO CONCENTRATED 18 ROOF SHEATHING:

1"X4" OR 1"X6" SPACED: WITH 1"X6" SHIPLAP STARTER BOARD AT ALL EXPOSED EAVES (RESAWN FACE DOWN) SHALL BE STANDARD, 3 COMMON NO. 2, OR CONSTRUCTION COMMON GRADES AND SHALL BE SPACED NOT TO EXCEED 6" CLEAR NOR MORE THAN THE NOMINAL WIDTH OF THE SHEATHING BOARD. B. PLYWOOD SHEATHING IS TO BE CONTINUOUS OVER TWO OR MORE SPANS AND IS TO BE A MINIMUM 1/2" THICK AND HAVE PANEL IDENTIFICATION INDEX AS REQUIRED FOR RAFTER SPACING (SEE ROOF PLANS) ALL PLYWOOD SHALL BE STRUCTURAL AND II STANDARD SHEATHING, AND C-C GRADES ONLY, WITH EDGES BLOCKED OR UNBLOCKED AS REQUIRED FOR SPAN. EACH SHEET OF PLYWOOD SHALL BE IDENTIFIED BY A REGISTERED STAMP OR BRAND OF THE AMERICAN PLYWOOD

9. ATTIC VENTILATION(WHERE DETERMINED NECESSARY BY THE BUILDING OFFICIAL); . ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN AND SNOW. THE NET FREE VENTILATING AREA SHAL BE NOT LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED. EXCEPT THAT THE AREA MAY BE 1/300 PROVIDED 50 PERCENT OF THE REQUIRED VENTILATING. AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3'-0" ABOVE EAVE OR CORNICE VENTS, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. THE OPENING SHALL BE COVERED WITH CORROSION-RESISTANCE ETAL MESH WITH MESH OPENINGS OF 1/4" IN DIMENSION. DO NOT BLOCK VENTS WITH INSULATION.

20. PIREBLOOK CONSTRUCTION.
A. EXCEPT AS PROVIDED IN ITEM D ABOVE, FIRE BLOCKING SHALL CONSIST OF 2" NOMINAL LUMBER OR TWO THICKENS OF 1" NOMINAL LUMBER WITH BROKEN LAP JOINTS OR ONE THICKNESS OF 23/32" WOOD STRUCTURAL PANEL, WITH JOINTS BACKED BY 23/32" WOOD STRUCTURAL PANEL, OR ONE THICKNESS OF 3/4" TYPE 2-M PARTICLE BOARD WITH JOINTS BACKED BY 3/4" FIREBOX MAY ALSO BE OF GYPSUM BOARD, GLASS FIBER, MINERAL FIBER OR OTHER APPROVED MATERIALS SECURELY WALLS HAVING PARALLEL OR STAGGERED STUDS FOR SOUND TRANSMISSION CONTROL SHALL HAVE FIRE BLOCKS OF MINERAL FIBER OR GLASS FIBER OTHER APPROVED NON RIGID MATERIAL. B. PROVIDE FIRE BLOCKING AT ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES AND THE ROOF SPACE.

FASTENING SCH	EDULE: PER CRC TA	ABLE R602.3(1
DESCRIPTION OF		

FΑ	STENING SCH	EDULE: PER CRC 1/	ABLE R602.3(1).
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER a.b.c	SPACING AND LOCATION
	BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW	4-8d BOX (2 1/2" × 0.113"); OR 3-8d COMMON (2 1/2" × 0.131"); OR 3-10d BOX (3" × 0.128"); OR 3-3" × 0.131" NAILS	TOE NAIL
1	BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATES, TO RAFTER OR TRUSS	2-8d COMMON (2 1/2" × 0.131"); OR 2-3" × 0.131" NAILS	EACH END TOE NAIL
	FLAT BLOCKING TO TRUSS AND WEB FILLER	2-16d COMMON (3 1/2" × 0.162"); OR 3-3" × 0.131" NAILS	END NAIL
2	CEILING JOISTS TO TOP PLATE	4-8d BOX (2 1/2" × 0.113"); OR 3-8d COMMON (2 1/2" × 0.131"); OR 3-10d BOX (3" × 0.128"); OR 3-3" × 0.131" NAILS	PER JOIST, TOE NAIL
3	CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS [SEE SECTION R802.5.2 AND TABLE R802.5.2(1)]	4-10d BOX (3" × 0.128"); OR 3-16d COMMON (3 1/2" × 0.162"); OR 4-3" × 0.131" NAILS	FACE NAIL
4	CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT) [SEE SECTION R802.5.2 AND TABLE R802.5.2(1)]	TABLE R802.5.2(1)	FACE NAIL
5	COLLAR TIE TO RAFTER, FACE NAIL	4-10d BOX (3" × 0.128"); OR 3-10d COMMON (3" × 0.148"); OR 4-3" × 0.131" NAILS	FACE NAIL EACH RAFTER
6	RAFTER OR ROOF TRUSS TO PLATE	3-16d BOX (3 1/2" × 0.135"); OR 3-10d COMMON (3" × 0.148"); OR 4-10d BOX (3" × 0.128"); OR 4-3" × 0.131" NAILS	2 TOE NAILS ON ONE SIDE AND 1 TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS
7	ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS OR	4-16d BOX (3 1/2" × 0.135"); OR 3-10d COMMON (3" × 0.148"); OR 4-10d BOX (3" × 0.128"); OR 4-3" × 0.131" NAILS	TOE NAIL
7	ROOF RAFTER TO MINIMUM 2" RIDGE BEAM	3-16d BOX (3 1/2" × 0.135"); OR 2-16d COMMON (3 1/2" × 0.162"); OR 3-10d BOX (3" × 0.128"); OR 3-3" × 0.131" NAILS	END NAIL
	STUD TO STUD (NOT AT BRACED	WALL 16d COMMON (3 1/2"X0.162")	24" O.C. FACE NAIL
8	WALL PANELS)	10d BOX (3"X0.128"); OR 3"X0.131 NAILS	16" O.C. FACE NAIL
9	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL	16d BOX (3 1/2"X0.135"); OR 3"X0.131 NAILS	12" O.C. FACE NAIL
9	CORNERS (AT BRACED WALL PANELS)	16d COMMON (3 1/2"X0.162")	16" O.C. FACE NAIL
10	BUILT-UP HEADER (2" TO 2" HEADER WITH 1/2" SPACER)	16d COMMON (3 1/2"X0.162") 16 BOX (3 1/2"X0.135")	16" O.C. EACH FACE NAIL 12" O.C. EACH FACE NAIL
11	CONTINUOUS HEADER TO STUD	5-8d BOX (2 1/2" × 0.113"); OR 4-8d COMMON (2 1/2" × 0.131"); OR 4-10d BOX (3" × 0.128")	TOE NAIL
12	ADJACENT FULL-HEIGHT STUD TO END OF HEADER	4-16d BOX (3 1/2"× 0.135"); OR 3-16d COMMON (3 1/2" × 0.162"); OR 4-10d BOX (3" × 0.128"); OR 4-3" × 0.131" NAILS	END NAIL
13	TOP PLATE TO TOP PLATE	16d COMMON (3 1/2" × 0.162") 10d BOX (3" × 0.128"); OR	16" O.C. FACE NAIL
		3" × 0.131" NAILS 8-16d COMMON (3 1/2" × 0.162"); OR	12" O.C. FACE NAIL
14	DOUBLE TOP PLATE SPLICE	12-16d BOX (3 1/2" × 0.135"); OR 12-10d BOX (3" × 0.128"); OR 12-3" × 0.131" NAILS1	FACE NAIL ON EACH SIDE OF END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)
15	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON (3 1/2"X0.162") 16d BOX (3 1/2" × 0.135"); OR	16" O.C. FACE NAIL
		3" × 0.131" NAILS ROOF	12 U.G. PAGE NAIL
16	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (AT BRACED WALL PANEL)	3-16d BOX (3 1/2" × 0.135"); OR 2-16d COMMON (3 1/2" × 0.162"); OR 4-3" × 0.131" NAILS	16" O.C. FACE NAIL
17	TOP OR BOTTOM PLATE TO STUD	4-8d BOX (2 1/2" × 0.118"); OR 3-16d BOX (3 1/2" × 0.135"); OR 4-8d COMMON (2 1/2" × 0.131"); OR 4-10d BOX (3" × 0,128"); OR 4-3" × 0.131" NAILS	TOE NAIL
17	TO SKEDTION LEATE TO STOD	3-16d BOX (3 1/2" × 0.135"); OR 2-16d COMMON (3 1/2" × 0.162"); OR 3-10d BOX (3" × 0.128"); OR 3-3" × 0.131" NAILS	END NAIL
18	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	3-10d BOX (3" × 0.128"); OR 2-16d COMMON (3 1/2" × 0.162"); OR 3-3" × 0.131" NAILS	FACE NAIL
19	1" BRACE TO EACH STUD AND PLATE	3-8d BOX (2 1/2" × 0.113"); OR 2-8d COMMON (2 1/2" × 0.131"); OR 2-10d BOX (3" × 0.128"); OR 2 STAPLES 1 3/4"	FACE NAIL
20	1"X6" SHEATHING TO EACH BEARING	3-8d BOX (2 1/2" × 0.113"); OR 2-8d COMMON (2 1/2" × 0.131"); OR 2-10d BOX (3" × 0.128"); OR 2 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE NAIL
21	1"X8" AND WIDER SHEATHING TO EACH BEARING	3-8d BOX (2 1/2" × 0.113"); OR 3-8d COMMON (2 1/2" × 0.131"); OR 3-10d BOX (3" × 0.128"); OR 3 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG WIDER THAN 1" × 8" 4-8d BOX (2 1/2" × 0.113"); OR 3-8d COMMON (2 1/2" × 0.131"); OR 3-10d BOX (3" × 0.128"); OR 4 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE NAIL
22	JOIST TO SILL, TOP PLATE OR GIRDER	FLOOR 4-8d BOX (2 1/2" × 0.113"); OR 3-8d COMMON (2 1/2" × 0.131"); OR 3-10d BOX (3" × 0.128"); OR 3-3" × 0.131" NAILS	TOE NAIL
23	RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	8d BOX (2 1/2"X0.113") 8d COMMON (2 1/2"X0.131"); OR 10d BOX (3"X0.128"); OR	4" O.C. TOE NAIL 6" O.C. TOE NAIL
24	1"X6" SUBFLOOR OR LESS TO EACH JOIST	3"X0.131" NAILS 3-8d BOX (2 1/2" × 0.113"); OR 2-8d COMMON (2 1/2" × 0.131"); OR 3-10d BOX (3" × 0.128"); OR 2 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE NAIL

8D COMMON (2 1/2" × 0.131") NAIL (ROOF); OR RSRS-01 (2 3/8" × 0.113") NAIL (ROOF)b 8d COMMON (2-21/2" × 0.131") NAIL (SUBFLOOR

8D COMMON (2 1/2" × 0.131") NAIL (ROOF); OR

(2 1/2"x0.131"x0.281" HEAD)DEFORMED NAIL

OTHER WALL SHEATHING

1 1/2" × 0.120" GALVANIZED ROOFING NAIL,7/16"

1 1/4" LONG 16 GA. STAPLE WITH 7/16" OR 1"

1 3/4" × 0.120" GALVANIZED ROOFING NAIL, 7/16

1 1/2" × 0.120" GALVANIZED ROOFING NAIL, 7/16

STAPLE GALVANIZED, 11/2" LONG; 7/16" OR 1"

1 3/4" × 0.120" GALVANIZED ROOFING NAIL, 7/16

"CROWN OR 1 1/4" SCREWS, TYPE W OR S

CROWN OR 1 1/4" SCREWS, TYPE W OR S

STAPLE GALVANIZED, 1 1/2" LONG: 7/16" OR

HEAD DIAMETER, OR 1 1/4" LONG 16 GA.;

WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT 1

8d COMMON (2 1/2" × 0.131") NAIL, OF

DEFORMED (2" × 0.120") NAIL; OR

EFORMED (2 1/2" × 0.120") NAI

10D COMMON (3" × 0.148") NAIL; OF

DEFORMED (2"× 0.113") OR

DEFORMED (2" × 0.113"); OR

DEFORMED (2" × 0.113");OR

DEFORMED (21/2" × 0.120") NAIL

1 1/4" LONG 16 GA. STAPLE WITH 7/16" OR 1"

DEFORMED 2 3/8" × 0.113" × 0.266" HEAD (WALL O

RSRS-01 (2 3/8" × 0.113") NAÍL (ROÒF)^b

10d COMMON (3"X0.148") NAIL; OR

SUBFLOOR)

HEAD DIAMETER, OR

1 1/4"LONG 16 GA.:

"STRUCTURAL CELLULOSIC | HEAD DIAMETER; OR

25/32" STRUCTURAL CELLULOSIC HEAD DIAMETER; OR

36 1/2" GYPSUM SHEATHING °

7 5/8" GYPSUM SHEATHING 9

3/4" AND LESS

39 7/8" - 1"

40 | 1 1/8" - 1 1/4"

12

PLANNING AND DEVELOPMENT DEPARTMENT FRESNO CITY HALI 2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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PROJECT:

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

		3"X0.131" NAILS				REVISIONS	
24	1"X6" SUBFLOOR OR LESS TO EACH JOIST	3-8d BOX (2 1/2" × 0.113"); OR 2-8d COMMON (2 1/2" × 0.131"); OR 3-10d BOX (3" × 0.128"); OR 2 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE	NAIL	NO.	DESCRIPTION	DATE
25	2" SUBFLOOR TO JOIST OR GIRDER	3-16d BOX (3 1/2" × 0.135"); OR 2-16d COMMON (3 1/2" × 0.162")	BLIND AND	FACE NAIL			
26	2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	3-16d BOX (3 1/2"X0.135") OR 2-16d COMMON (3 1/2"X0.162")	AT EACH BEARIN	NG, FACE NAIL			
27	BAND OR RIM JOIST TO JOIST	3-16d COMMON (3 1/2"X0.162"); OR 4-10d BOX (3"X0.128"); OR 4-3"X 0.131" NAILS; OR 4-3"X14 GA. STAPLES, 7/16" CROWN	END I	NAIL			
		20d COMMON (4"X0.192"); OR	NAIL EACH LAYER AS O.C. AT TOP AND BO STAGGERED.				
28	BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER LAYERS	10d BOX (3"X0.128"); OR 3"X0.131" NAILS	24" O.C. FACE NAIL A BOTTOM STAGGERE SIDES				
		AND: 2-20d COMMON (4"X0.192"); OR 3-10d BOX (3"X0.128"); OR 3-3"X0.131" NAILS	FACE NAIL AT ENDS SPLICE	AND AT EACH			
29	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	4-16d BOX (3 1/2"X0.135"); OR 3-16d COMMON (3 1/2"X0.162"); OR 4-10d BOX (3"x0.128"); OR 4-3"X0.131 NAILS	AT EACH JOIST OR F	RAFTER, FACE		CITY USE ONI	_Y
30 4	BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS	2-10d BOX (3" × 0.128"); OR 2-8d COMMON (2 1/2" × 0.131"); OR 2-3" × 0.131" NAILS	EACH END, 1	ΓΟΕ NAIL			
ГЕМ	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER a,b,c	SPACING AND EDGES ^h (INCHES)	INTERMEDIATE SUPPORTS ^{C,0} (INCHES)			
		DOR, ROOF AND INTERIOR WALL SHEATHING TO FRA E R602.3(3) FOR WOOD STRUCTURAL EXTERIOR WAI					
31	3/8"-1/2"	6D COMMON OR DEFORMED (2" × 0.113"× 0.266" HEAD); OR 2 3/8" × 0.113" × 0.266" HEAD NAIL (SUBFLOOR, WALL)	6	6 ^f			

DRAWING TITLE STRUCTURAL **DETAILS**

JOB# : TADU-003 **DATE**: 13-Apr-23 SCALE: AS NOTED DRAWN BY: IRG

FASTENING SCHEDULE: PER CRC TABLE R602.3(1) FOOTNOTES:

OR SI: 1 INCH = 25.4 MM., 1 FOOT = 304.8 MM, 1 MILE PER HOUR = 0.447 M/S; 1 KSI = 6.895 MPa. NAILS ARE SMOOTH-COMMON, BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USED FOR FRAMING AND SHEATHING CONNECTIONS ARE CARBON STEEL AND SHALL HAVE MINIMUM AVERAGE BENDING YIELD STRENGTHS AS SHOWN: 80 KSI FOR SHANK DIAMETER OF 0.192 INCH (20D COMMON NAIL), 90 KSI FOR SHANK DIAMETERS LARGER THAN 0.14: INCH BUT NOT LARGER THAN 0.177 INCH, AND 100 KSI FOR SHANK DIAMETERS OF 0.142 INCH OR LESS. CONNECTIONS USING NAILS AND STAPLES OF OTHER MATERIALS, SUCH AS STAINLESS STEEL, SHALL BE DESIGNED BY ACCEPTED ENGINEERING PRACTICE OR APPROVED UNDER SECTION R104.11. . RSRS-01 IS A ROOF SHEATHING RING SHANK NAIL MEETING THE SPECIFICATIONS IN ASTM F1667.

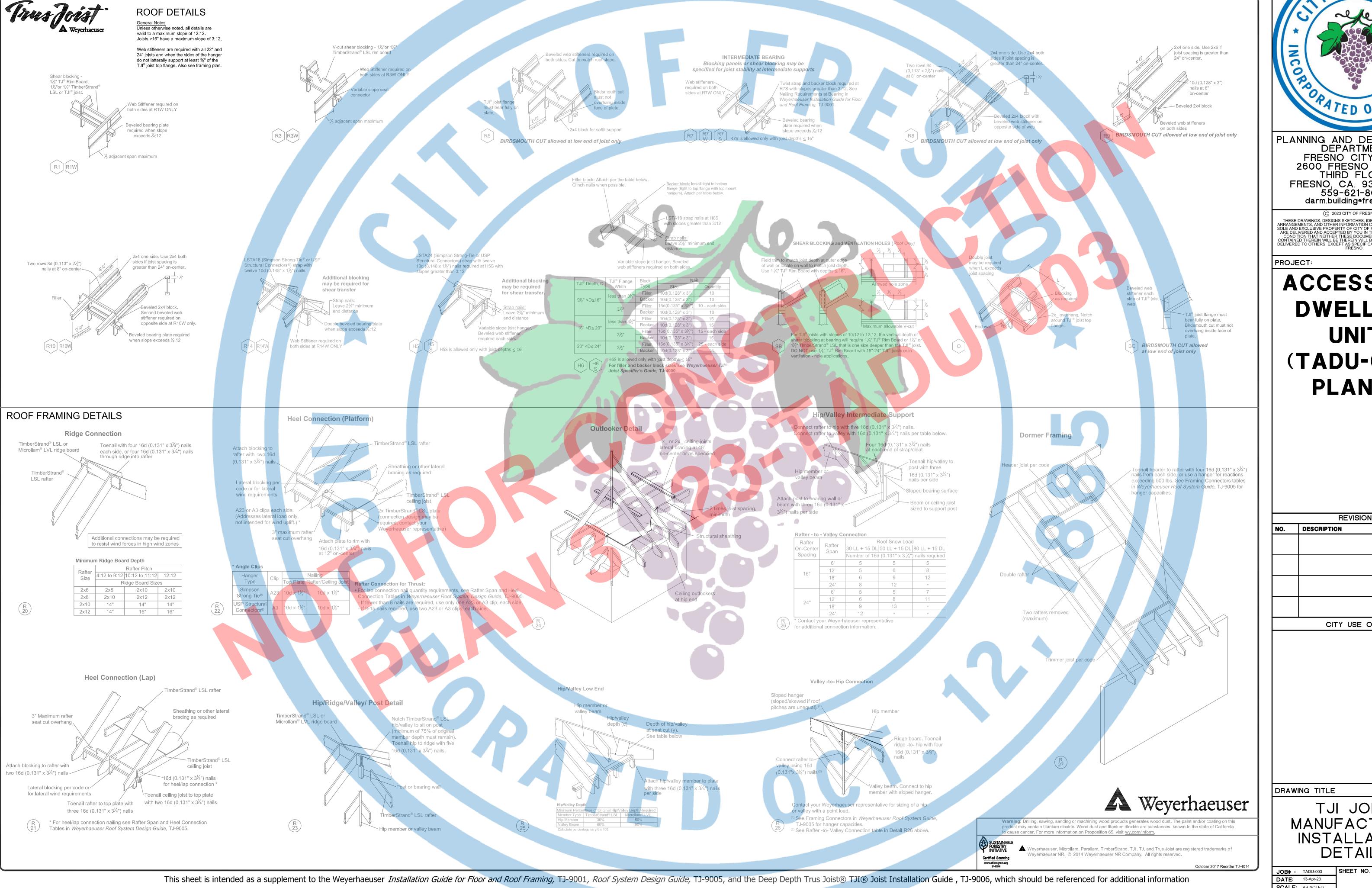
NAILS SHALL BE SPACED AT NOT MORE THAN 6 INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR

FOUR-FOOT BY 8-FOOT OR 4-FOOT BY 9-FOOT PANELS SHALL BE APPLIED VERTICALLY. SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON TABLE R602.3(2) FOR WOOD STRUCTURAL PANEL ROOF SHEATHING ATTACHED TO GABLE END ROOF FRAMING AND TO INTERMEDIATE SUPPORTS WITHIN 48 INCHES OF ROOF EDGES AND RIDGES, NAILS SHALL BE SPACED AT 4 INCHES ON CENTER WHERE THE TE DESIGN WIND SPEED IS GREATER THAN 130 MPH IN EXPOSURE B OR GREATER THAN 110 MPH IN EXPOSURE C. GYPSUM SHEATHING SHALL CONFORM TO ASTM C1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C1280 OR GA 253. FIBERBOARD SHEATHING SHALL CONFORM TO ASTM C208. SPACING OF FASTENERS ON FLOOR SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING AND AT FLOOR PERIMETERS ONLY. SPACING OF FASTENERS ON ROOF SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING. BLOCKING OF ROOF OR FLOOR SHEATHING PANEL EDGES PERPENDICULAR TO TH<mark>E FRAMING MEMBE</mark>RS NEED NOT BE PROVIDED EXCEPT AS REQUIRED E OTHER PROVISIONS OF THIS CODE. FLOOR PERIMETER SHALL BE SUPPORTED BY FRAMING MEMBERS OR SOLID BLOCKING. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE, PROVIDE

TWO TOE NAILS ON ONE SIDE OF THE RAFTER AND TOE NAILS FROM THE CEILING JOIST TO TOP PLATE IN ACCORDANCE WITH

THIS SCHEDULE. THE TOE NAIL ON THE OPPOSITE SIDE OF THE RAFTER SHALL NOT BE REQUIRED.

THINK SAFETY, READ INSTALLATION INFORMATION BEFORE PROCEEDING



PLANNING AND DEVELOPMENT DEPARTMENT FRESNO CITY HALL 2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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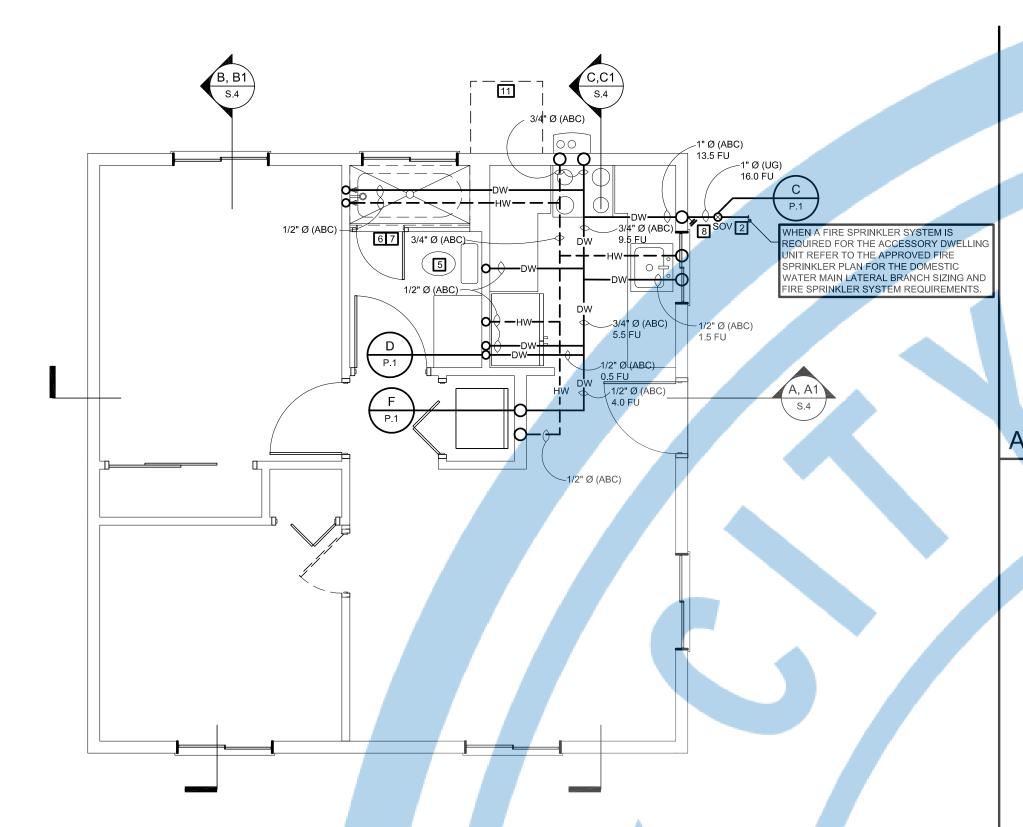
ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

REVISIONS							
NO.	DESCRIPTION	DATE					
	CITY USE OF	NLY					

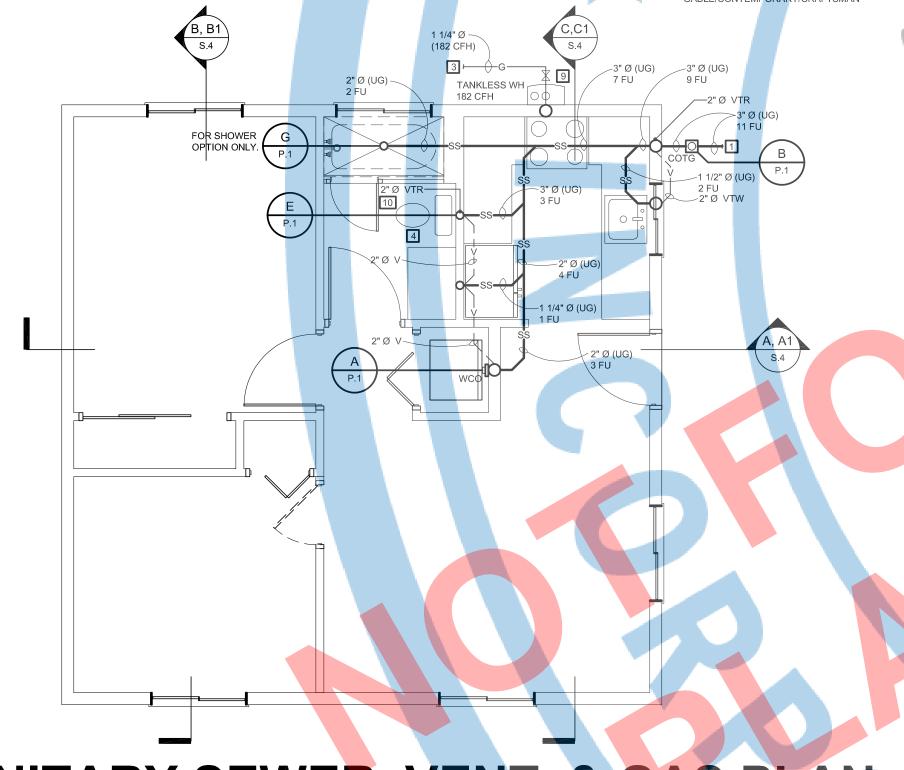
TJI JOIST MANUFACTURER INSTALLATION DETAILS

SCALE: AS NOTED DRAWN BY: IRG

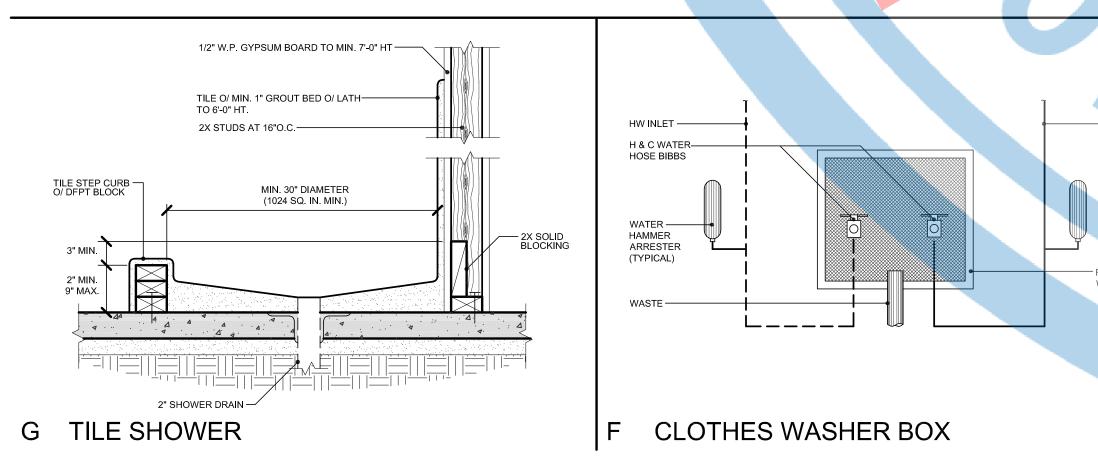
S.6

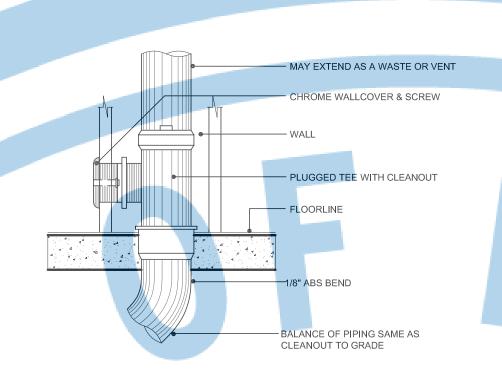


COLD & HOT DOMESTIC WATER PLAN

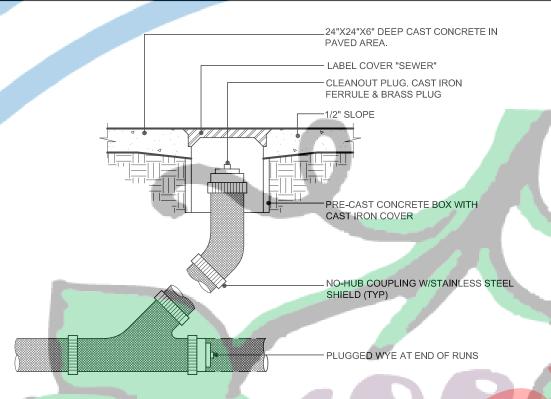


SANITARY SEWER, VENT, & GAS PLAN

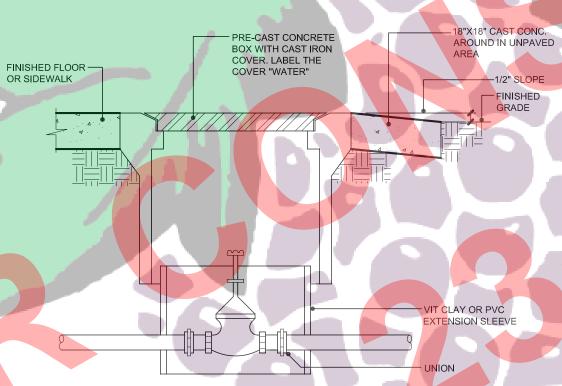




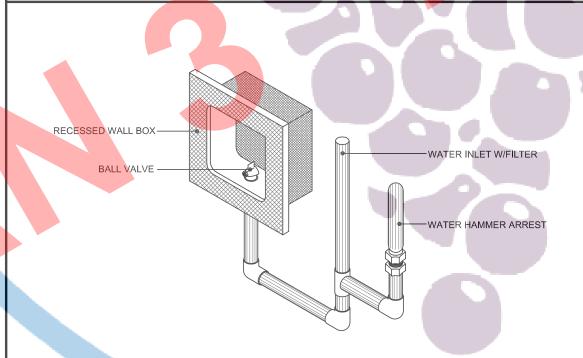
A WALL CLEANOUT



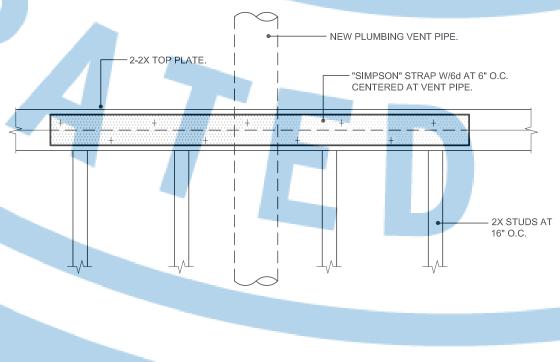
B FLOOR CLEAN-OUT



WATER SHUT-OFF VALVE



D REFRIGERATOR SUPPLY BOX



E TOP PLATE SPLICE AT PLUMBING VENT

WATER PIPING SHALL BE PEX TYPE B TUBING, COPPER, OR GALVANIZED STEEL. PVC WATER PIPING MAY BE FOR COLD PVC WATER, PIPING MAY BE USED FOR COLD WATER DISTRIBUTION SYSTEMS OUTSIDE A BUILDING CPVC WATER PIPING MAY BE USED FOR HOT AND COLD WATER DISTRIBUTION SYSTEMS WITHIN A BUILDING. TYPE 'M' COPPER PIPING MAY BE USED FOR WATER PIPING ABOVE GROUND IN, OR ON, A BUILDING OR UNDERGROUND

COPPER TUBE FOR WATER PIPING SHALL HAVE A WEIGHT OF NOT LESS THAN THAT OF COPPER WATER TUBE TYPE L. EXCEPTION:TYPE M COPPER TUBING MAY BE USED FOR WATER PIPING WHEN PIPING IS ABOVE GROUND.

POLYETHYLENE PIPING SHALL MEET OR EXCEED SPECIFICATIONS AS A PB 2110 MATERIAL PER ASTM 3309, ANSI A 119.2, CSA B137.7-M-1977, CSA B139.8-M-1977; AND SHALL BE OF PIPING MATERIAL AND INSTALLATION SUITABLE FOR ITS INTENDED USE.

NO WATER, SOIL OR WASTE PIPE SHALL BE INSTALLED OR PERMITTED OUTSIDE OF A BUILDING OR IN A EXTERIOR WALL, UNLESS WHERE NECESSARY, ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPE FROM FREEZING.

PIPING SUBJECT TO LINDUIT CORROSION FROSION OR MECHANICAL DAMAGE SHALL BE PROTECTED IN AN

PIPING SUBJECT TO UNDUE CORROSION, EROSION OR MECHANICAL DAMAGE SHALL BE PROTECTED IN AN APPROVED MANNER.
 COLD AND HOT WATER PIPING TO FIXTURES SHALL BE THOROUGHLY FLUSHED AND RINSED PRIOR TO PLACING IN SERVICE.
 HOT AND COLD WATER PIPING SHALL BE INSTALLED A MINIMUM OF 12" APART WHERE PIPING IS PARALLEL.
 GAS PIPING

CORROSION BY APPROVED COATINGS OR WRAPPING MATERIALS. ALL HORIZONTAL METALLIC PIPING SHALL HAVE AT LEAST 12" OF EARTH COVER PLASTIC PIPING SHALL HAVE AT LEAST 18" OF EARTH COVER. GAS PIPING SHALL BE, GALVANIZED OR BLACK STEEL. PE PIPING MAY BE USED IN EXTERIOR BURIED PIPING SYSTEMS. NO GAS PIPING SHALL BE INSTALLED IN OR ON THE GROUND UNDER ANY BUILDING OR STRUCTURE UNLESS INSTALLED IN A GAS TIGHT CONDUIT, AND ALL EXPOSED GAS PIPING SHALL BE KEPT AT LEAST 6" ABOVE GRADE OR STRUCTURE.

AN ACCESSIBLE SHUTOFF VALVE SHALL BE INSTALLED IN THE FUEL SUPPLY PIPING OUTSIDE OF EACH APPLIANCE. SHUT OFF VALVES SHALL ME WITHIN 3' OF THE APPLIANCE.

ALL PIPE USED FOR INSTALLATION OF ANY GAS PIPING SHALL BE STANDARD WEIGHT WROUGHT IRON OR STEEL (GALVANIZED OR BLACK), YELLOW BRASS (CONTAINING NOT MORE THAN 75% COPPER) OF IRON PIPE SIZE.

ALL FITTING USED IN CONNECTION WITH THE ABOVE PIPING SHALL BE OF MALLEABLE IRON OR YELLOW BRASS (CONTAINING NOT MORE THAN 75% COPPER)

NO GAS PIPING SHALL BE INSTALLED IN OR ON THE GROUND, UNDER ANY BUILDING OR STRUCTURE. ALL EXPOSED GAS PIPING SHALL SHALL BE KEPT AT LEAST 6" ABOVE GRADE OR STRUCTURE.

VENTS SHALL EXTEND NOT LESS THAN 10" THROUGH THE ROOF. THEY SHALL BE GATHERED WHERE POSSIBLE INTO ONE VENT AS SHOWN.
LOCATE ALL VTR'S A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKES.
COMBUSTION AIR VENTS AND DUCTS SHALL BE PROVIDED WITH MINIMUM UNOBSTRUCTED COMBUSTION AIR OPENINGS AS REQUIRED BY C.M.C.
PIPE HANGERS AND SUPPORTS
HORIZONTAL SUSPENDING PIPING SHALL BE SUPPORTED BY TURNBUCKLES CAPABLE OF SCREW ADJUSTMENT
AFTER INSTALLATION. HANGERS SPACING FOR CAST IRON PIPE SHALL NOT BE GREATER THAN 5', FOR OTHER PIPE, NOT GREATER THAN 10'. HANGERS SHALL BE PROVIDED AT AND CHANGES IN DIRECTION HANGER RODS SHALL BE 3/8" FOR PIPE UNDER 3", 1/2" FOR PIPE ABOVE 3".

3/8" FOR PIPE UNDER 3", 1/2" FOR PIPE ABOVE 3".
PIPING SHALL BE INSTALLED WITH ADEQUATE PROVISIONS FOR EXPANSION AND CONTRACTION USING SWING JOINTS, PIPE CLAMPS, ANCHORS AND EXPANSION JOINTS. FITTINGS SHALL BE SPACED SO THAT THEY WILL NOT INTERFERE WITH THE SLIDING OF THE PIPES ON THE SUPPORT.
ALL PIPING SHALL BE SUPPORTED AT THE MINIMUM INTERVALS SHOWN BELOW:

1. OPENING IN THE ROOF FOR VENT PIPES SHALL BE FLASHED SOLDERED WATER-TIGHT. FLASHING FOR PIPE SHALL NOT BE LIGHTER THAN 4 LBS. PER SO.FT. SHEET LEAD SHALL BE MADE OF TWO PIECES. THE LOWER PIECE SHALL BE AT LEAST 14" SQUARE. THE TOP PIECE SHALL FIT TIGHTLY AND SHALL EXTEND TO THE TOP OF THE PIPE AND TURN DOWN INSIDE THE PIPE AT LEAST 1".

2. ALL ROOF PENETRATIONS WITH PIPES TO BE INSTALLED WITH "DICTATE" PIPE FLASHING INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS. EACH VENT PIPE OR STACK SHALL EXTEND THROUGH ITS FLASHING AND SHALL TERMINATE VERTICALLY NOT LESS THAN 6" ABOVE THE ROOF NOR LESS THAN 1" FROM ANY VERTICAL SURFACE. VENT PIPES OR STACKS SHALL TERMINATE NOT LESS THAN 10" FROM OR AT LEAST 3" ABOVE ANY WINDOW. DOOR OPENINGS, AIR INTAKE OR VENT SHAFT. NOR LESS THAN 3" IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY

PLUMBING LEGEND:

SYMBOL	ABBREVATION	DESCRIPTION
cw	- cw	COLD WATER
	CAP	PIPE CAP
— — HW—	- HW	HOT WATER
ss	- W/S	WASTE/SANITARY SEWER
v	_ V	VENT
——o	VTR	VENT THRU ROOF
— нв —∥	НВ	HOSE BIBB
G —	- G	GAS
	COTG	CLEANOUT TO GRADE
D.	CO, WCC	CLEANOUT, WALL CLEANOUT
	(D), (R)	DROP, RISER
\otimes	sov	SHUT-OFF VALVE IN BOX
\bowtie	- sov	SHUT-OFF VALVE
		/TI IDE LINUTO

| PLUMBING FIXTURE UNITS :

			<u> </u>				
	WATER	7	EIVTUDE		WASTE	Ξ	
+	UNITS	TOTAL	FIXTORE	#	UNITS	TOI	TAL.
1	2.5	2.5	WATER CLOSET	1	3.0	3	3.0
1	1.0	1.0	LAVATORY	1	1.0	1	1.0
1	4.0	4.0	SH0WER/TUB	1	2.0	2	2.0
1	1.5	1.5	KITCHEN SINK	1	2.0	2	2.0
1	0.5	0.5	REFRIGERATOR	1	0.0	C	0.0
1	4.0	4.0	CLOTHES WASHER	1	3.0	3	3.0
1	2.5	2.5	HOSE BIBB	1	0.0	C	0.0
TO	TAL	16.0		TO	TAL	11	1.0
	1 1 1 1 1 1 1 1	1 2.5 1 1.0 1 4.0 1 1.5 1 0.5 1 4.0	1 1.0 1 4.0 1 1.5 1 0.5 1 4.0 4.0 4.0 1 2.5 2.5	UNITS TOTAL FIX TURE	# UNITS TOTAL 1 2.5 2.5 WATER CLOSET 1 1 1.0 1.0 LAVATORY 1 1 4.0 4.0 SHOWER/TUB 1 1 1.5 1.5 KITCHEN SINK 1 1 0.5 0.5 REFRIGERATOR 1 1 4.0 4.0 CLOTHES WASHER 1 1 2.5 2.5 HOSE BIBB 1	Image: Control of the contro	Image: Control of the contro

DOMESTIC WATER SIZING TABLE

TABLE 610.4											
FIXTURE UNIT TABLE FOR DETERMINING WATER PIPE AND METER SIZES											
	METER & BUILDING MAXIMUM ALLOWABLE LENGTH IN FEET										
STREET SERVICE.	SUPPLY & BRANCHES,	40	60	80	100	150	200	250			
INCHES	INCHES						/47				
	PRESSURE RANGE - 30 TO 45 PSI										
3/4"	1/2"	6	5	4	3	2	1	1			
3/4"	3/4"	16	16	14	12	9	6	5			
3/4"	1"	29	25	23	21	17	15	13			
1"	1"	36	31	27	25	20	17	15			
3/4"	1 1/4"	36	33	31	28	24	23	21			
1"	1 1/4"	54	47	42	38	32	28	25			
1 1/2"	1 1/4"	78	68	57	48	38	32	28			
1"	1 1/2"	85	84	79	65	56	48	43			
1 1/2"	1 1/2"	150	124	105	91	70	57	49			
2"	1 1/2"	151	129	129	110	80	64	53			
1"	2"	85	85	85	85	85	85	82			
1 1/2"	2"	220	205	190	176	155	138	127			
2"	2"	370	327	292	265	217	185	164			
2"	2 1/2"	445	418	390	370	330	300	280			
	SPECIFIC BUILDI										

REVIEWED TO VERIFY DOMESTIC WATER SIZING IS ADEQUATE. THIS PLAN IS DESIGNED WITH ASSUMPTION OF A 1 INCH WATER METER, DEVELOPMENT LENGTH OF 150 FT, AND NO CONNECTION/FIXTURE UNITS FROM THE EXISTING PRIMARY RESIDENCE.

IF CONNECTING TO (E)UTILITIES THE (E)FIXTURE UNITS MUST BE ACCOUNTED FOR WHEN SIZING SYSTEMS AND VERIFY ADDITIONAL DEMANDS WILL NOT AFFECT PRIMARY RESIDENCE NEGATIVELY. PROVIDE WITH LOT SPECIFIC BUILDING PERMIT APPLICATION.

GAS CALCULATIONS:

TANKLESS	S WATE	ER HEA	TER				199	,000			182
			1			TOTAL	199	,000			182
MOST REA	/OTE F	IXTUR	≣ = 17	5 FEET, MAX	IMUM C	FH = 296					
	P	IPE SI	IZE(II	N.)					CFH		_
		1/2"							37	1	
		3/4"							77		
		1"	<u> </u>						144		F"
		1 1//"							206	3	

AT TIME OF LOT SPECIFIC BUILDING PERMIT APPLICATION DEVELOPMENT LENGTH AND GAS CONNECTIONS WILL BE REVIEWED TO VERIFY GAS SIZING IS ADEQUATE. THIS PLAN IS DESIGNED WITH ASSUMPTION OF A 1 1/4 INCH GAS LINE, DEVELOPMENT LENGTH OF 175 FT, AND NO CONNECTION OF GAS APPLIANCES FROM THE EXISTING PRIMARY RESIDENCE.

IF CONNECTING TO (E)UTILITIES THE (E)GAS APPLIANCES MUST BE ACCOUNTED FOR WHEN SIZING SYSTEMS AND VERIFY ADDITIONAL DEMANDS WILL NOT AFFECT PRIMARY RESIDENCE NEGATIVELY. PROVIDE WITH LOT SPECIFIC BUILDING

PLUMBING KEY NOTES

FOR CONNECTION OF GAS UTILITY SERVICE.

1. SANITARY SEWER MAIN LATERAL BRANCH MUST HAVE A MINIMUM SLOPE OF 2%. PROVIDE CLEAN OUTS AT INTERVALS NOT TO EXCEED 100 FT IN STRAIGHT RUNS AND HORIZONTAL CHANGE IN DIRECTIONS EXCEEDING 135°. SANITARY SEWER CONNECTION TO CITY SERVICES. PER LOT SPECIFIC BUILDING PERMIT APPLICATION MUST OBTAIN PUBLIC UTILITIES APPROVAL FOR ADU TO HAVE DIRECT CONNECTION TO CITY SERVICES. IF CONNECTING TO (E)UTILITIES THE (E)FIXTURE UNITS MUST BE ACCOUNTED FOR WHEN SIZING SYSTEMS AND VERIFY ADDITIONAL DEMANDS WILL NOT AFFECT PRIMARY RESIDENCE NEGATIVELY. PROVIDE WITH LOT SPECIFIC BUILDING PERMIT

APPLICATION.

DOMESTIC WATER MAIN LATERAL BRANCH. DOMESTIC WATER CONNECTION TO (N)WATER METER AND CITY

SERVICES. PER LOT SPECIFIC BUILDING PERMIT APPLICATION MUST OBTAIN PUBLIC UTILITIES APPROVAL FOR ADU

TO HAVE DIRECT CONNECTION TO CITY SERVICES. IF CONNECTING TO (E)UTILITIES THE (E)FIXTURE UNITS MUST BE

ACCOUNTED FOR WHEN SIZING SYSTEMS AND VERIFY ADDITIONAL DEMANDS WILL NOT AFFECT PRIMARY RESIDENCE

NEGATIVELY. PROVIDE WITH LOT SPECIFIC BUILDING PERMIT APPLICATION.

GAS LINE MAIN LATERAL BRANCH TIE INTO GAS METER. SEE SITE PLAN AND VERIFY WITH LOCAL UTILITY COMPANY

WATER CLOSET: WATER CLOSET COMPARTMENT MUST HAVE 30" WIDTH AND 24" CLEAR IN FRONT OF THE WATER CLOSET. LOW-FLOW WATER CLOSETS TO BE INSTALLED (MAXIMUM 1.28 GALLONS PER FLUSH). BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.

DOMESTIC WATER FOR WATER CLOSETS SHALL BE PROVIDED AND TIED INTO PASSIVE PURGE FIRE SPRINKLER SYSTEM. WHEN FIRE SPRINKLER SYSTEM IS REQUIRED FOR LOT SPECIFIC BUILDING PERMIT APPLICATIONS.

SHOWER: TILE SHOWER OF THE CHEENT OR GLASS MAT GYPSUM BACKER. PROVIDE 22" MINIMUM TEMPERED GLASS ENCLOSURE (HINGER SHOWER DOORS SHALL OPEN OUTWARD). INDIVIDUAL CONTROL VALVES OF THE

SYSTEM. WHEN FIRE SPRINKLER SYSTEM IS REQUIRED FOR LOT SPECIFIC BUILDING PERMIT APPLICATIONS.
SHOWER: TILE SHOWER O/FIBER CEMENT OR GLASS MAT GYPSUM BACKER. PROVIDE 22" MINIMUM TEMPERED
GLASS ENCLOSURE (HINGED SHOWER DOORS SHALL OPEN OUTWARD). INDIVIDUAL CONTROL VALVES OF THE
PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE TYPE AT THE SHOWERS. THE MINIMUM INSIDE
DIMENSION OF THE SHOWER SHALL BE 30" IN ANY ONE DIRECTION WITH A MINIMUM OF 1,024 SQUARE INCHES. ALL
TUB-SHOWER OPENINGS SHALL BE RODENT PROOF, WITH 1" CEMENT COVERING IN AN APPROVED MANNER. (SEE

DETAIL G/P.1)
TUB W/SHOWER OPTION: METAL TUB W/TILE SHOWER O/FIBER CEMENT OR GLASS MAT GYPSUM BACKER PROVIDE 22"
MINIMUM TEMPERED GLASS ENCLOSURE (HINGED SHOWER DOORS SHALL OPEN OUTWARD). INDIVIDUAL CONTROL
VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE TYPE AT THE SHOWERS. ALL
TUB-SHOVED OPENINGS SHALL BE RODENT PROOF, WITH 1" CEMENT COVERING IN AN APPROVED MANNER. PROVIDE
INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE TYPE AT THE
SHOWERS AND TUB-SHOWER COMBINATION. CPC 420. BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER
FOR APPROVAL PRIOR TO INSTALLATION.

HOSE BIBB 3/4" W/NON-REMOVABLE TYPE BACK FLOW PREVENTION DEVICE.

TANK LESS WATER HEATER, INSTALL PER MANUFACTURERS SPECIFICATIONS. PROVIDE MANUFACTURERS SPECIFICATIONS ON JOB SITE, SO THAT THE BUILDING INSPECTOR MAY VERIFY TANK LESS WATER HEATER CLEARANCES. SEE TITLE 24 REQUIREMENTS AND MECHANICAL NOTES FOR ADDITION INFORMATION. BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.

A. INSTANTANEOUS WATER HEATERS WITH AN INPUT RATING OF 6.8KBTU/HR. (2 KW) OR GREATER NEED AN

ISOLATION VALVE ON COLD WATER SUPPLY AND HOT WATER LEAVING WATER HEATER.

B. EACH VALVE NEEDS A HOSE BIBB OR OTHER FITTING ALLOWING FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED.

C. A CONDENSATION DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE INSTALLED WATER HEATER, AND ALLOW NATURAL DRAINING WITHOUT PUMP ASSISTANCE.

10. PLUMBING VENTS SHALL TERMINATE 10' MINIMUM AWAY FROM A.C. UNIT OUTSIDE AIR INTAKES.

11. A MINIMUM 2'-6" X 2'-6" WIDE AND 7'-0" TALL AREA MUST BE MAINTAINED FOR FUTURE INSTALLATION OF HEAT PUMP

A MINIMUM 2'-6" X 2'-6" WIDE AND 7'-0" TALL AREA MUST BE MAINTAINED FOR FUTURE INSTALLATION OF HEAT PUMP WATER HEATER. A PLUMBING PERMIT MUST BE OBTAINED AT TIME OF INSTALLATION OF HEAT PUMP WATER HEATER AND MUST BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS.

RESIDENTIAL PLUMBING NOTES

WATER HAMMER ARRESTORS SHALL BE INSTALLED AT THE FOLLOWING QUICK ACTING SHUT-OFF VALVES (SOLENOID OPERATED)
A. AUTOMATIC WASHER, HOT AND COLD WATER

A. AUTOMATIC WASHER, HOT AND COLD WATER
B. ICE MAKER
C. DISHWASHER

D. FRONT AND REAR SPRINKLER OUTLETS
SHOWER AND TUB/ SHOWER COMBINATION SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE
PRESSURE BALANCE, THERMOSTATIC, OR COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVES TYPE
THAT PROVIDE SCALD AND THERMAL SHOCK PROTECTION FOR THE RATED FLOW RATE OF THE INSTALLED
SHOWERHEAD. THESE VALVES SHALL BE INSTALLED AT THE POINT OF USE AND IN ACCORDING WITH ASSE 1016 OR
ASME A112.18.1/CSAB125.1.
ALL PLUMBING CONVEYING OR DISPENSING WATER FOR HUMAN CONSUMPTION SHALL COMPLY WITH AB 1953 FOR
LEAD CONTENT.
GALVANIZED MALLEABLE IRON, GALVANIZED WROUGHT IRON, OR GALVANIZED STEEL ARE PROHIBITED MATERIALS
FOR WATER SUPPLY AND BUILDING WATER PIPING BOTH UNDERGROUND AND IN BUILDING.
GAS LINE PRESSURE TESTING IS NOW 10 PS I FOR 15 MINUTES AND WELDED PIPING IS 60 PS I FOR 30 MINUTES.
PLASTIC AND COPPER PIPING RUN THROUGH FRAMING MEMBERS TO WITHIN ONE INCH OF THE EXPOSED FRAMING

SHALL BE PROTECTED BY STEEL NAIL PLATES NOT LESS THAN 18 GAUGE.

ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED AS SPECIFIED IN CPC SECTION 609.11. IN ADDITION, PIPING MUST MEET THE REQUIREMENTS OF CALIFORNIA ENERGY CODE SECTION 150(J)(2)(A) I, II, & III.

a) 3/4 INCH TO 1 INCH AND HOT WATER PIPING FROM HEATING SOURCE TO KITCHEN FIXTURES SHALL HAVE A MINIMUM OF 1 INCH THICKNESS INSULATION WALL OR R-VALUE OF 7.7.

FIRE SPRINKLER NOTES:

AT TIME OF LOT SPECIFIC BUILDING APPLICATION, IT WILL BE DETERMINED BY THE CITY OF FRESNO FIRE PREVENTION BUREAU IF FIRE SPRINKLER WILL BE REQUIRED FOR THE ACCESSORY DWELLING UNIT. IF REQUIRED, APPROVED FIRE SPRINKLER PLAN SHALL BE INCLUDED IN PLANS PRIOR TO PERMIT ISSUANCE.

PLUMBING NOTES:

ALL WORK AND MATERIAL SHALL CONFORM TO LATEST CODES AND ORDINANCES. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO PROVIDE COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR MATERIAL, TRANSPORTATION, EQUIPMENT, AND MISCELLANEOUS SERVICES ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER SPECIALLY SHOWN OR MENTIONED. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO

THESE CODES.
THESE DRAWINGS ARE DIAGRAMMATIC AND HAVE BEEN PREPARED TO SUGGEST POSSIBLE SIZE, ROUTES, LOCATION AND TERMINATION OF PLUMBING PIPING AND EQUIPMENT AS REQUIRED TO CONFORM TO APPLICABLE CODES, IT IS NOT THE INTENTION OF THE PLAN PREPARED TO LIMIT THE METHODOLOGY AND/OR MATERIALS UTILIZED BY THE PLUMBING CONTRACTOR WHEN ALTERNATE METHODOLOGY AND/OR MATERIALS COMPLY WITH ALL CODES AND

ORDINANCES GOVERNING THIS JURISDICTION.

3. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING AND ROUTING OF ALL WASTE, VENT, WATER, GAS, AND A/C CONDENSATE LINES AND COORDINATE WITH OWNER FOR SERVICES.

4. THE OWNER SHALL COORDINATE ALL SERVICE CONNECTIONS FOR THE WORK WITH APPROPRIATE AGENCIES.

5. OWNER TO PROVIDE WATER, SEWER, AND GAS SERVICE AND HOOK UP TO WITHIN 5 FEET FROM BUILDING.

6. OWNER TO DETERMINE WATER, SEWER, AND GAS SUPPLY LINE SIZES IN CONFORMANCE WITH CALIFORNIA PLUMBING CODE AND COORDINATE WITH PLUMBER AS TO ANY VARIATION AND/OR CONFLICT FROM DRAWING. ALL WORK MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE PLANS IS TO BE TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT

A CALIFORNIA PLUMBING CODE 2022

B. CALIFORNIA MECHANICAL CODE 2022
C. CALIFORNIA ENERGY STANDARDS 2022
IT IS THE PLUMBING CONTRACTORS RESPONSIBILITY TO VERIFY ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING BUT NOT LIMITED TO METER LOCATIONS, LATERAL LOCATIONS/DEPTH AND PROPOSED POINT OF

CONNECTIONS.
GENERAL NOTES
ALL FIXTURES ARE TO BE FURNISHED BY THE PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE ON PLANS. ALI FIXTURES TO BE INSTALLED COMPLETE IN ALL RESPECTS WITH TRIM, SEALS, ETC, AS REQUIRED TO MAKE JOB REAFOR SERVICES AND USE.
ALL FIXTURES TO BE WHITE (UNLESS OTHERWISE NOTED) PLUMBING CONTRACTOR SHALL SUBMIT FIXTURES

ALL FIXTURES TO BE WRITE (ONLESS OTHERWISE NOTIED) FLOMBING CONTRACTOR SHALL SUBMIT FIXTURES

SPECIFICATIONS FOR OWNERS APPROVAL.

ALL PIPING AND EQUIPMENT SHALL COMPLY WITH THE LATEST IAPMO STANDARDS AND ALL APPLICABLE BUILDING

CODES, LOCAL OR OTHERWISE.

ALL FIXTURES SHALL BE SECURELY ATTACHED TO SUPPORTING SURFACES AS SPECIFIED AND SHALL BE PLUMBED

AND LEVELED.

WALL HUNG FIXTURES SHALL BE SECURELY ATTACHED TO WOOD BLOCKING.

AIR CHAMBERS SHALL BE PROVIDED FOR FOR EACH FIXTURE AT HOT AND COLD WATER CONNECTIONS.

ALL PIPING SHALL BE PRESSURE TESTED TO THE APPROVAL OF THE ADMINISTRATIVE AUTHORITY AND MINIMUM

STANDARDS AS FOLLOWS: SANITARY PIPING: MIN. WATER PRESSURE 5 PSI FOR 15 MINUTES WATER PIPING: MIN. WATER PRESSURE 120 PSI FOR 15 MINUTES.

CONNECTIONS BETWEEN COPPER OR BRASS PIPING AND FERROUS MATERIALS SHALL BE MADE WITH APPROVED DIELECTRIC COUPLINGS.

PLUMBING CONTRACTOR SHALL REVIEW ALL KITCHEN EQUIPMENT DRAWINGS AND MAKE ALL REQUIRED CONNECTION OF SERVICES TO EACH UNIT.

CHECK EXISTING PLUMBING SYSTEM WITH REFERENCE TO NEW WORK TO BE DONE. IF CONNECTING NEW PLUMBING TO (E)PLUMBING MAIN BRANCHES THE (E)FIXTURE UNITS MUST BE ACCOUNTED FOR WHEN SIZING SYSTEMS AND VERIFY ADDITIONAL DEMANDS WILL NOT AFFECT PRIMARY RESIDENCE NEGATIVELY. PROVIDE WITH BUILDING PERMIT APPLICATION.

RE-ROUTE AND/OR REPLACE PORTIONS (INCLUDING SERVICE) AS NECESSARY.

PROVIDED BY OWNER.

AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. SEPARATE PLUMBING PERMIT IS REQUIRED.

PLUMBING FIXTURES ARE REQUIRED TO BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED SEWAGE DISPOSAL SYSTEM. (R 306.3)

KITCHEN SINKS, LAVATORIES, BATHTUBS, SHOWERS, BIDETS, LAUNDRY TUBS AND WASHING MACHINE OUTLETS SHALL BE PROVIDED WITH HOT AND COLD WATER AND CONNECTED TO AN APPROVED WATER SUPPLY. (R 306.4)

FURNISH AND INSTALL ALL FIXTURES INDICATED, COMPLETE FOR NORMAL OPERATION. INSTALL ANY FIXTURES

PERFORM NECESSARY EXCAVATIONS AND BACK FILLING FOR INSIDE AND OUTSIDE PLUMBING LINES AND ACCESSORIES. EXCAVATING SHALL BE TRUE TO LINE AND PITCH BACK FILL SHALL BE PLACED LAYERS NOT OVER 8" IN DEPTH. EACH LAYER PROPERLY MOISTENED, SOLIDITY IRON TAMPED, OR OTHERWISE COMPACTED PUDDLING WITH WATER TO ACHIEVE COMPACTION WILL NOT BE PERMITTED.
PLUMBING EXCAVATIONS ARE NOT TO BE MADE PARALLEL TO FOOTING BELOW ANGLE OR REPOSE (I.E. BELOW A LINE DRAWN 45° DOWN FROM EACH CORNER OF BOTTOM FOOTING.)
NO PLUMBING LINES SHALL BE RUN IN BEARING FOOTING. DRAINAGE PIPE MATERIALS SHALL BE CAST IRON, GALVANIZED STEEL, PVC OR ABS SCHEDULE 40 DW PLASTIC PIPE, EXCEPT THAT NO GALVANIZED STEEL PIPE SHALL BE USED UNDERGROUND AND SHALL BE KEPT AT LEAST 6" ABOVE GROUND CHANGES IN DIRECTION OF DRAINAGE PIPING SHALL BE MADE BY THE APPROPRIATE USE OF APPROVED FITTINGS, AND SHALL BE OF THE ANGLES PRESENTED BY 1/16 BEND, 1/8 BEND, OR 1/6 BEND, OR OTHER APPROVED FITTINGS OF EQUIVALENT SWEEP.
SANITARY AND POTABLE WATER PIPING SHALL NOT BE INSTALLED WITHIN THE SAME TRENCH EXCEPT WHEN

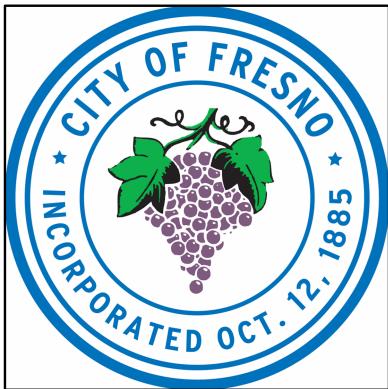
DRAINAGE PIPING SHALL BE CAST IRON, SCHEDULE 40 ABS DWV, OR SCHEDULE 40 PVC DWV. CLEAN OUTS ARE REQUIRED ON HORIZONTAL WASTE LINES OVER 5' FROM THE MAIN LINE AND ALL HORIZONTAL SINK AND URINAL WASTES REGARDLESS OF LENGTH. PER CPC WASTE PIPING SHALL BE PITCHED AT A MINIMUM OF 1/4" PER FOOT WHERE POSSIBLE, PIPING GREATER THAN 4

LOWABLE BY THE GOVERNING AUTHORITY.

WASTES REGARDLESS OF LENGTH. PER CPC
WASTE PIPING SHALL BE PITCHED AT A MINIMUM OF 1/4" PER FOOT WHERE POSSIBLE, PIPING GREATER THAN 4
INCHES IN DIAMETER ONLY, MAY BE PITCHED AT A MINIMUM OF, 1/8" PER FOOT, AS REQUIRED, WITH THE APPROVAL
OF THE ADMINISTRATIVE AUTHORITY.
PROVIDE CLEAN OUTS FOR WASTE LINES EXCEEDING 5'-0" FROM THE MAIN. CLEAN OUTS SHALL BE SIZED PER CPC.
ALL FLOOR, WALL OR GROUND CLEANOUTS SHALL BE INSTALLED IN A MANNER THAT PROVIDES SUFFICIENT SPACE

FOR SERVICE AND IS COMPLETE COMPLIANCE WITH ALL GOVERNING CODES, INSTALLATION OF SOIL OR DRAIN PIPES IN FOOD HANDLING ESTABLISHMENTS WILL COMPLY WITH SECTION 318.0 CPC.

5. ALL FLOOR MOUNTED SANITARY CLEANOUTS SHALL HAVE SKID RESISTANT COVER PLATES, BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE.



PLANNING AND DEVELOPMENT
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| PROJECT:

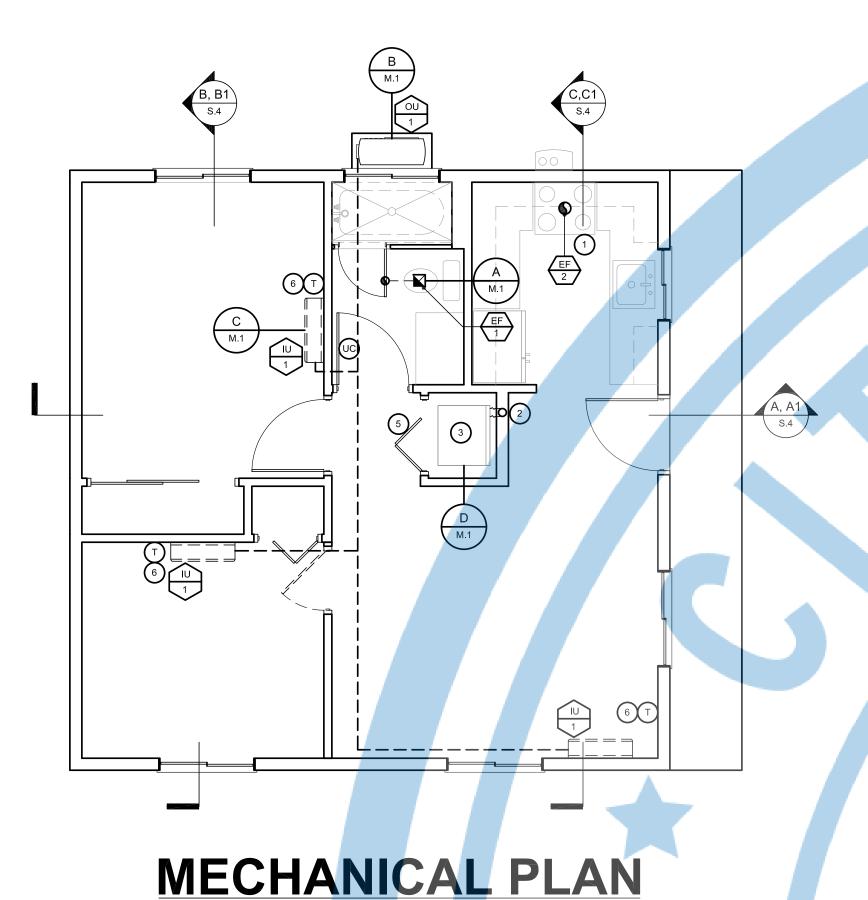
ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

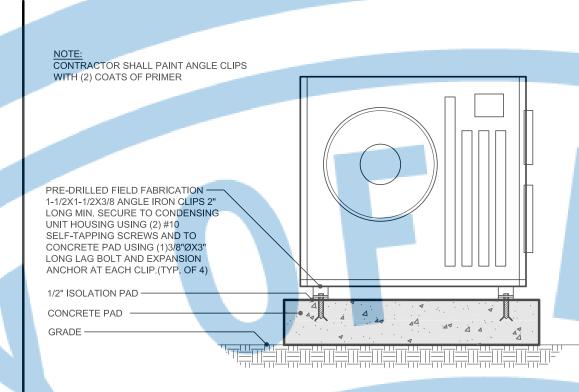
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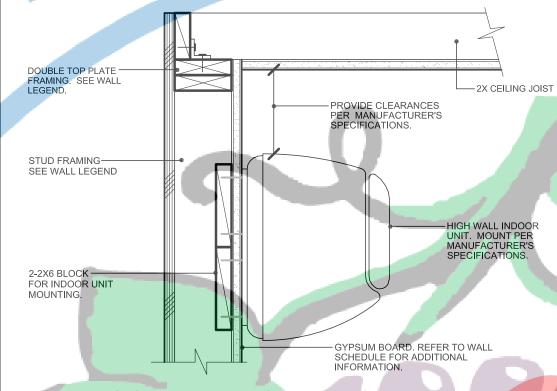
PLUMBING PLAN AND DETAILS

JOB# :	TADU-003	SHEET NO.
DATE:	26-Sep-23	
SCALE:	AS NOTED	
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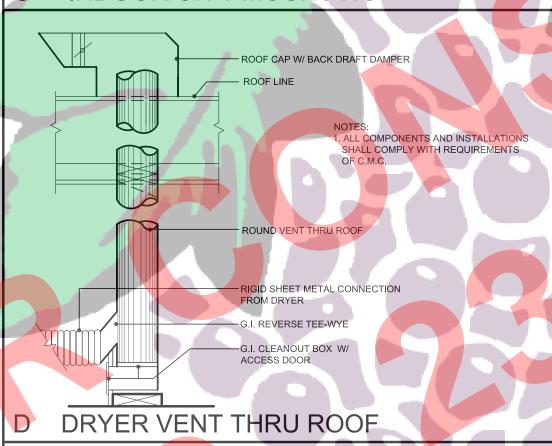




B CONDENSING UNIT MOUNTING



INDOOR UNIT MOUNTING



MECHANICAL LEGEND

SYMBOL	ABBREVATION	DESCRIPTION				
	EF	EXHAUST AIR FAN				
UC	UC	1" DOOR UNDER CUT				
T	Т	THERMOSTAT/UNIT REMOTE				
		REFRIGERANT/DRAINAGE/SIGNAL PIPING				
		EXHAUST DUCT				
	ETAIL DESIGNATIO DETAIL NUMBER SHEET NO. WHERE					
EQUIPMENT DESIGNATION UNIT ABBREVATION NUMBER						
	EQUIPMENT DESIGN					

EXHAUST FAN SCHEDULE:

1 NUMBER

\dashv	DESCRIPTION	EF 1	EF 2			
	LOCATION	RESTROOM	KITCHEN			
	TYPE	CENTRIFUGAL	CENTRIFUGAL	N.		
	MOUNTING	CEILING	CEILING			
	AMPS	0.30	3.5			
	VOLTS/PHASE	115/1	115/1			
	CFM	50 MIN.	160 MIN.			
	E.S.P. (IN. WC)	0.10	0.30			
7	DRIVE	DIRECT	DIRECT			
П	SONES	1.0 MAX.	3.0 MAX.			
Н	OPER WT (LBS)	5	20			
	MANUFACTURER	OWNER CHOICE ¹	OWNER CHOICE ¹			
П	MODEL	OWNER CHOICE ¹	OWNER CHOICE1			
ы	KEY NOTES	1,3,4	2,5			
	BACKDRAFT DAMPER	YES	YES			
7	BIRD SCREED	YES	YES			
	SWITCH WITH LIGHTS CONTROLS	YES	YES			
	1. OWNER CHOICE MUS	T MEET MINIMUMS	AND MAXIMUMS LIS	TED IN E <mark>XHAUS</mark> T F	AN SCHEDULE.	

PROVIDE 4" Ø EXHAUST DUCT RISER UP THRU ROOF W/FLASHING TO ROOF WEATHER CAP. PROVIDE 7" Ø EXHAUST DUCT RISER UP THRU ROOF WFLASHING TO ROOF WEATHER CAP.

CONTINUOUS BATHROOM EXHAUST FAN IS USED TO MEET INDOOR AIR QUALITY REQUIREMENTS. TINUOUS MECHANICAL EXHAUST SYSTEMS SHALL OPERATE WITHOUT OCCUPANT INTERVENTION, A READILY ESSIBLE OVERRIDE CONTROL MUST BE PROVIDED. THE OVER RIDE CONTROL FOR THE BUILDING VENTILATION SHALL BE PROPERLY LABELED: "THIS SWITCH CONTROLS THE INDOOR AIR QUALITY VENTILATION FOR THE HOME.

LEAVE IT ON UNLESS THE OUTDOOR AIR IS VERY POOR." KITCHEN EXHAUST SHALL MEET MINIMUM CFM OR HAVE A CAPTURE EFFICIENCY RATING OF NO LESS THAN 65' ENTILATION FOR INDOOR AIR QUALITY NOTES:

ALL KITCHENS AND BATHROOMS SHALL HAVE LOCAL EXHAUST SYSTEMS VENTED TO THE OUTDOORS. EACH

LOCAL VENTILATION SYSTEM SHALL EITHER BE AN INTERMITTENT OR CONTINUOUS MECHANICAL EXHAUST ALL AIR MOVING EQUIPMENT USED TO MEET LOCAL EXHAUST VENTILATION REQUIREMENTS SHALL BE RATED II TERMS OF AIRFLOW AND SOUND.

A. ALL CONTINUOUSLY OPERATING FANS SHALL BE RATED AT A MINIMUM 1.0 SONE.

A. ALL CONTINUOUS LOCAL EXHAUST AIR FLOW RATES SHALL BE A MINIMUM OF 5-AIR CHANGES/ HOUR KITCHEN.

C. INTERMITTENTLY OPERATED LOCAL EXHAUST FANS SHALL BE RATED AT A MAXIMUM OF 3.0 SONE.

D. INTERMITTENT LOCAL EXHAUST AIR FLOW RATES SHALL MEET EITHER THE CAPTURE EFFICIENCY (CE) OR THE AIRFLOW RATE SPECIFIED IN TABLE 150.0-G OF THE CALIFORNIA ENERGY CODE.

INDOOR AIR QUALITY CONTINUOUS EXHAUST VENTILATION SYSTEM REQUIREMENTS (ASHRAE STANDARD) AT LEAST ONE MECHANICAL VENTILATION SYSTEM IN THE BUILDING M<mark>UST BE DESIGNATED FOR USE IN COMPLIANC</mark> WITH THE INDOOR AIR QUALITY - BUILDING VENTILATION REQUIREMENT. ALTERNATIVELY, THE SUM OF THE RATED AIRFLOW FROM MULTIPLE FANS CAN BE UTILIZED TO MEET THE REQUIRED INDOOR AIR QUALITY BUILDING VENTILATION AIRFLOW. THE SYSTEM(S) MUST DELIVER CONTINUOUS VENTILATION AIRFLOW AT A RATE GREATER THAN OR EQUAL TO THE RATE SPECIFIED IN THE ENERGY DOCUMENTATION. SEE ENERGY DOCUMENTATION FOR INDOOR AIR QUALITY REQUIRED CFM AIRFLOW.

ENERGY NOTES

FTER INSTALLING WATER HEATING SYSTEMS, FENESTRATION, AND HVAC EQUIPMENT, THE INSTALLER SHALL SUBMI<mark>T THE IN</mark>STALLATION CE<mark>RTIFIC</mark>ATE" (CF-2R FORM), COMPLETED AND SIGNED BY THE INSTALLER, LISTING THE EQUIPMENT INSTALLED, (MANUFACTURER, MODEL, AND EFFICIENCIES, U-VALUES AND SHGC-VALUES, ETC.) AND THA IT MEETS OR EXCEEDS THE REQUIREMENTS OF THE ENERGY DOCUMENTATION. (CEES SECTION 10-103(A)(3)) (REGISTERED COPIES SHALL BE PROVIDED WHEN HERS VERIFICATION IS REQUIRED.) "REGISTERED" COPIES OF THE CF-2R AND CF-3R FORMS SHALL BE SUBMITTED PRIOR TO PRIOR TO FINAL

INSPECTION, SIGNED BY CERTIFIED BY THE INSTALLER(S) FOR THE CF-2R FORM, AND THE HERS RATER, FOR FIELD VERIFICATION AND DIAGNOSTIC TESTING ON THE CF-3R FORM. (CEES 10-103(A)(3) AND 10-103(A)(5)) PROVIDE SPECIAL INSPECTION FOR FIELD VERIFICATION AND DIAGNOSTIC TESTING PERFORMED BY A THIRD PARTY CERTIFIED HERS RATER FOR THE FOLLOWING:

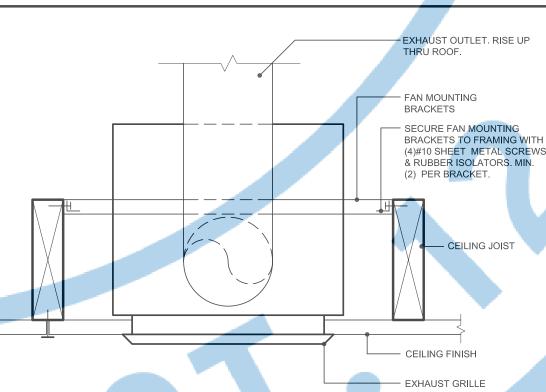
.) QUALITY INSULATION INSTALLATION (QI INDOOR AIR QUALITY VENTILATION KITCHEN RANGE HOOD VERIFIED EER

VERIFIED REFRIGERANT CHARG

AIRFLOW IN HABITABLE ROOMS (SC3.1.4.1.7) H) VERIFIED HSPF

I) VERIFIED HEAT PUMP RATED HEATING CAPACITY J) WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 SQ. FT. DUCTLESS INDOOR UNIT LOCATED ENTIRELY IN CONDITIONED SPACE.

DESCRIPTION ROOFING COOL ROOF ROOF REFLECTANCE: 0.30 - ROOF EMITTANCE: 0.75 FENESTRATION/GLAZING U-FACTOR: 0.30 - SHGC: 0.23 WALL R-21 - ROOF R-30 - FLOOR N/A NSULATION. TANKLESS WATER HEATER UEF: 0.90 MECHANICAL UNIT HSPF: 9.5 - SEER: 16.0 - EER: 13.0 INDOOR AIR QUALITY CFM: 41 MINIMUM



CEILING EXHAUST FAN MOUNTING

MECHANICAL KEY NOTES:

ELECTRIC RANGE: HOOD W/EAN W/MICROWAVE O/FLECTRIC RANGE W/OVEN INSTALL PER MANUFACTURER'S SPECIFICATIONS, PROVIDE MANUFACTURER'S SPECIFICATIONS ON JOB SITE, SO THAT THE BUILDING INSPECTOR MAY VERIFY CLEARANCES. KITCHEN EXHAUST OUTLETS SHALL TERMINATE AT LEAST 2' ABOVE THE ROOF AND SHALL EXTEND AT LEAST 10' ABOVE THE ADJOINING GRADE LEVEL. HOOD SHALL BE VENTED TO THE EXTERIOR WITH A BACK DRAFT DAMPER HAVING A MINIMUM CFM RATING OF 100 CFM AND A SONE RATING NOT GREATER THAN 3-SONE. PROVIDE A MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS:

• VERTICAL CLEARANCE OF 30" UNPROTECTED, OR 24" PROTECTED. HORIZONTAL CLEARANCE 6" FROM EDGE OF BURNERS. • THE VERTICAL DISTANCE BETWEEN CANOPY-TYPE HOOD AND COOKING SURFACE SHALL NOT EXCEED 4".

UPPER CABINETS SHALL BE A MINIMUM OF 18" ABOVE FINISH DECK OR THE HOOD IS TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS WITH A CLEARANCE AS REQUIRED BY THE RANGE/COOKTOP MANUFACTURERS INSTALLATION INSTRUCTIONS, PROVIDE MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS PER CMC 906.1 AND 508.6. BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. DRYER VENT WITH A BACK DRAFT DAMPER THRU ROOF. DRYER: VENT TO OUTSIDE AIR: 4" DIAMETER OR 3 1/2" X 4" RECTANGULAR VENT GOOD FOR A COMBINED

HORIZONTAL AND VERTICAL LENGTH NOT TO EXCEED 14'-0" W/ MAXIMUM 2 ELBOWS. OPTION: 5" DIAMETER OR 3 1/2"X6" RECTANGULAR VENT GOOD FOR A COMBINED HORIZONTAL AND VERTICAL LENGTH NOT TO EXCEED 38-0" W/ MAXIMUM 2 ELBOWS. DEDUCT 6' FOR EACH ADDITIONAL ELBOW. BRAND AND MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. WASHER STACKED UNIT: VENT TO OUTSIDE AIR; 4" DIAMETER OR 3 1/2" X 4" RECTANGULAR VENT GOOD FOR A COMBINED HORIZONTAL AND VERTICAL LENGTH NOT TO EXCEED 14'-0" W/MAXIMUM 2 ELBOWS. OPTION: 5" DIAMETER OR 3 1/2"X6" RECTANGULAR VENT GOOD FOR A COMBINED HORIZONTAL AND VERTICAL LENGTH NOT TO EXCEED 38'-0" W/ MAXIMUM 2 ELBOWS. DEDUCT 6' FOR EACH ADDITIONAL ELBOW. (SEE DETAIL X,X/X.X) BRAND NAME AND

MODEL NUMBER SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. PROVIDE LOUVERED DOOR WITH A MINIMUM OF TWO 100 SQUARE INCH FREE AREAS. ONE OPENING WITHIN 12 INCHES OF THE TOP OF ENCLOSURE AND THE OTHER WITHIN 12 INCHES OF THE BOTTOM OF THE ENCLOSURE. PROGRAMMABLE NIGHT SET-BACK THERMOS<mark>TAT/UN</mark>IT REMOTE SHALL NOT BE MOUNT MORE THAN 48" A.F.F. PER

MECHANICAL NOTES

GENERAL NOTES:
AIR INLETS THAT ARE PART OF THE VENTILATION DESIGN SHALL BE LOCATED A MINIMUM OF 10 FEET FROM KNOWN SOURCES OF CONTAMINATION SUCH AS STACK, VENT, EXHAUST HOOD OR VEHICLE EXHAUST. NG EQUIPMENT DESIGNED TO BE IN A FIXED POSITION SHALL BE SECURELY FASTENED, PER 4. MANUFACTURERS INSTALLATION INSTRUCTIONS. INSTALLATION INSTRUCTIONS SHALL BE PROVIDED TO THE FIELD

ALL WORK AND MATERIAL SHALL CONFORM TO LATEST CODES AND ORDINANCES. IT IS THE INTENTION OF THESE A<mark>NS AND SPECIFICATION<mark>S TO C</mark>OVER ALL THINGS REQUIRED TO PROVIDE COMPLETE AND OPERATIVE SYSTEMS.</mark> E<mark>CONTR</mark>ACTOR IS TO FU<mark>RNIS</mark>H LABOR MATERIAL, COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS T TRANSPORTATION, EQUIPMENT, AND MISCELLANEOUS SERVICES ETC. REQUIRED TO COM<mark>PLISH THIS RESULT, AN</mark>YTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE NSTALLATION IS TO BE INCLUDED, WHETHER SPECIALLY SHOWN OR MENTIONED. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. HESE DRAWINGS ARE DIAGRAMMATIC REPRESENTATION OF WORK TO BE ACCOMPLISHED AND AS SUCH ARE NOT <mark>TENDE</mark>D TO SHOW ALL REQUIRED OFFSETS OF PIPING AND DUCK WORK. THE CONTRACTOR SHALL INSTALL

AND EQUIPMENT SO AS TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTION AND MAINTAIN THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS A CONSTRUCTION GUIDELINE ONLY AND NOT THE OTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY SCOPE OF WORK WITH CONTRACTOR WHO IS SUPERVISING THE JOB. THE CITY OF FRESNO WILL PROVIDE INTERPRETATION OF THE CONSTRUCTION DOCUMENTS, BUT THE SUPERVISION

IS UNDER THE RESPONSIBILITY OF THE CONTRACTOR. SUBMITTALS: CONTRACTOR SHALL SUBMIT A COPY OF EQUIPMENT BROCHURES FOR EACH ITEM FURNISHED. DATA SHALL INCLUDE MANUFACTURES APPROVED INSTALLATION INSTRUCTIONS. SUBMITTALS SHALL BE COMPLETE AND SHALL BE BOUND, INDEXED, AND TABBED. TEST AND ADJUSTMENTS: CONTRACTOR SHALL TEST ALL EQUIPMENT PER MANUFACTURERS INSTRUCTIONS,

SYSTEM SHALL BE FREE OF OBJECTIONABLE NOISE AND VIBRATION, SYSTEM SHALL BE BALANCED FOR EVEN DISTRIBUTION OF HEATING AND COOLING. PPER<mark>ATING I</mark>NSTRUC<mark>TIONS: CONTRACTORS SHA</mark>LL PROVIDE OWNER WITH 2 COPIES OF OPERATING AND MAINTENANCE INSTRUCTIONS, MANUFACTURERS EXTEND WARRANTIES, AND CONTRACTORS WRITTEN WARRANTIE
ALL BOUND, INDEXED AND TABBED. MAINTENANCE INSTRUCTIONS SHALL INCLUDE MAINTENANCE WHICH IS

EQUIRED TO KEEP EQUIPMENT OPERATING AT MAXIMUM EFFICIENCY. <mark>VARRANTY: ALL M</mark>ATER<mark>IALS A</mark>ND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE F FINAL ACCEPTANCE OR FROM DATE OF OWNERS SUBSTANTIAL USAGE OR OCCUPANCY, WHICH EVER IS EA<mark>RLIER.</mark> DAM<mark>AGE DUE TO</mark> VOLTAGE FLUCTUATION, FIRE, ACTS O<mark>F THE ELEMENTS, ACTS OF THE OWNER OR OTHE</mark>F AR<mark>TIES, I</mark>MPROPER MAINTENANCE OR NEGLECT ARE SPECIFICALLY EXCLUDED FROM THE GUARANTEE. ALL EP<mark>AIRS S</mark>HALL BE PERFORMED DURING NORM<mark>AL WORKING HOURS AND SHALL BE MADE PROMPTLY AFTER NOTICE</mark> OF FAILURE. IF OWNER REQUEST THAT WORK BE PERFORMED ON OVERTIME, OWNER SHALL PAY THE DIFFERENCE BETWEEN REGULAR AND OVERTIME LABOR AT STANDARD BILLING RATES. <mark>ALL W</mark>ORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS

AMENDED AND ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT. CALIFORNIA BUILDING CODE

CALIFORNIA PLUMBING CODE CALIFORNIA MECHANICAL CODE CALIFORNIA ELECTRICAL CODE

NONRESIDENTIAL CEC ENERGY STANDARDS 202 IECHANICAL CONTRACTOR SHALL PROVIDE AND INS<mark>TALL AL</mark>L EQUIPMEN<mark>T DUCTS, GRILLS, REGISTERS, CONTROLS,</mark> THERMOSTATS AND CONDENSATE LINES NECESSARY TO COMPLETE THE JOB, CONTRACTOR SHALL CHALK MARK HIGH AND LOW VOLTAGE ELECTRICAL CONDUIT POINTS OF PENETRATION TO MATCH AIR CONDITIONING LINIT REQUIREMENTS ON THE SHEATHING, WHEN FLASHING IS INSTALLED ON SHEATHING BEFORE ROOFING IS STARTED, CONTRACTOR SHALL ALSO MARK THE GAS AND CONDENSATE PIPING POINTS OF PENETRATION OF THE ROOF

ONTRACTOR SHALL START, TEST AND ADJUST ALL SY<mark>STEMS</mark> FOR THE P<mark>ROPER WORKING OF THE SYSTEMS TO THE:</mark> SATISFACTION OF THE OWNER AND TENANT, CONTRACTOR SHALL BE RESPONSIBLE FOR THE INITIAL START UP FOR A PERIOD ONE YEAR FROM THE DATE OF ISSUANCE OF <mark>THE CE</mark>RTIFICATE <mark>OF OCCUPANCY</mark>.

AIR CONDITIONING UNIT MOUNTING AT ALL FRAMES SHALL BE BOLTED OR LAG SCREWED TO STRUCTURAL MEMBERS AT EACH CORNER WITH MINIMUM 3/8"X3" PENETRATION INTO SOLID WOOD, A.C. UNIT SHALL BE BOLTED TO THE SUPPORT FRAME WITH 3/8" MINIMUM BOLTS AT EACH CORNER. ELECTRICAL VOLTAGE: AIR CONDITIONING CONTRACTOR SHALL CONFIRM ALL SYSTEM VOLTAGES BEFORE BIDDING AND ORDERING EQUIPMENT AND ALLOW FOR BUCK AND BOOST TRANSFORMERS ON EACH PHASE IF REQUIRED.

PLUMBING CONTRACTOR: GAS, WATER AND CONDENSATE PIPING INCLUDING FINAL CONNECTIONS WITH ELECTRICAL CONTRACTOR: ALL POWER AND CONTROL. PROVIDE W/P OUTLET WITHIN 25' FROM EQUIPMENT AND QUICK DISCONNECT. NO FIELD SUPPLIED ELECTRICAL DEVICE SHALL BE MOUNTED ON AIR CONDITIONING UNITS AND NO RIDGE ELECTRICAL CONNECTIONS SHALL BE MADE. CONDUIT, WIRING DISCONNECTS AND FINAL CONNECTIONS, UNLESS OTHERWISE NOTED ON MECHANICAL PLAN. NO FIELD SUPPLIED ELECTRICAL DEVICE SHALL BE MOUNTED ON AIR CONDITIONING UNITS AND NO RIDGE ELECTRICAL ALL AIR CONDITIONERS TO BE EQUIPPED WITH AN APPROVED CONDENSATE DRAIN. RUN IN AN APPROVED MANNER TO AN APPROVED LOCATION. ALL EQUIPMENT SHALL COMPLY WITH THE CALIFORNIA ENERGY COMMISSION STANDARD, AND SHALL BE CERTIFIED

BY THE MANUFACTURER. HE MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF MECHANICAL EQUIPMENT. EQUIPMENT INDICATED ON THESE DRAWINGS ARE SHOWN IN APPROXIMATE LOCATIONS, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND EQUIPMENT LOCATIONS

MECHANICAL UNIT SCHEDULE:

OWNER CHOICE

INDOOR HIGH WALL WALL

0.83 MIN.

12,000 BTU/HR 16.0 MIN.

12,000 BTU/HR

9.5 MIN.

 0.3125^2 OWNER CHOICE

OWNER CHOICE

OWNER CHOICE MUST MEET MINIMUMS AND MAXIMUMS LISTED IN MECHANICAL UNIT SCHEDULE. VERIFY ELECTRICAL LOADS DEMANDS WITH MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION.

HEATING RATED CAPACITY(17° F) 7,400 BTU/HR

OWNER CHOICE MUST MEET MINIMUMS AND MAXIMUMS LISTED IN MECHANICAL UNIT SCHEDULE.

VERIFY ELECTRICAL LOADS DEMANDS WITH MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION.

DESCRIPTION

OCATION QUIPMENT

/OLTS/PHASE/CYCLE

MANUFACTURE

DESCRIPTION

EXCAVATION, CUTTING, AND FITTING
PERFORM THE EXCAVATION, CUTTING, FITTING, REPAIRING, AND FINISHING OF THE WORK NECESSARY FOR THE
INSTALLATION OF THE EQUIPMENT, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL
MEMBERS SHALL BE DONE WITHOUT THE CONSENT OF THE OWNER AND EXCEED NOTCHING REQUIREMENTS

0 0

PLANNING AND DEVELOPMENT DÉPARTMENT FRESNO CITY HALL 2600 FRESNO STREET THIRD FLOOR FRESNO, CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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PROJECT:

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

NO.	DESCRIPTION	DATE
	CITY LISE ONLY	

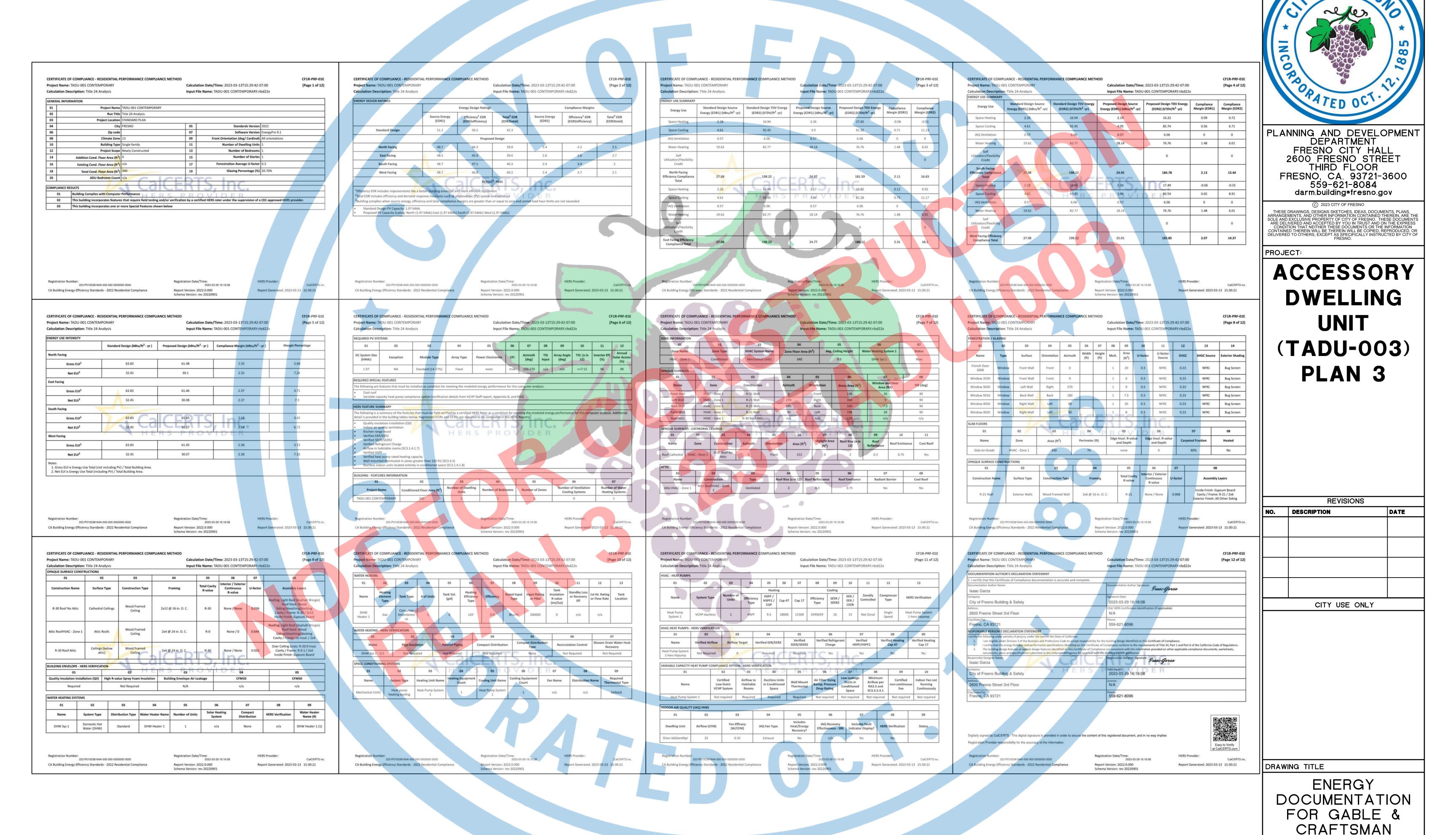
BEVISIONS

CITY USE ONLY

DRAWING TITLE:

MECHANICAL PLAN AND DETAILS

JOB# : TADU-003 SHEET NO. **DATE:** 13-Jul-23 SCALE: AS NOTED DRAWN BY: IRG

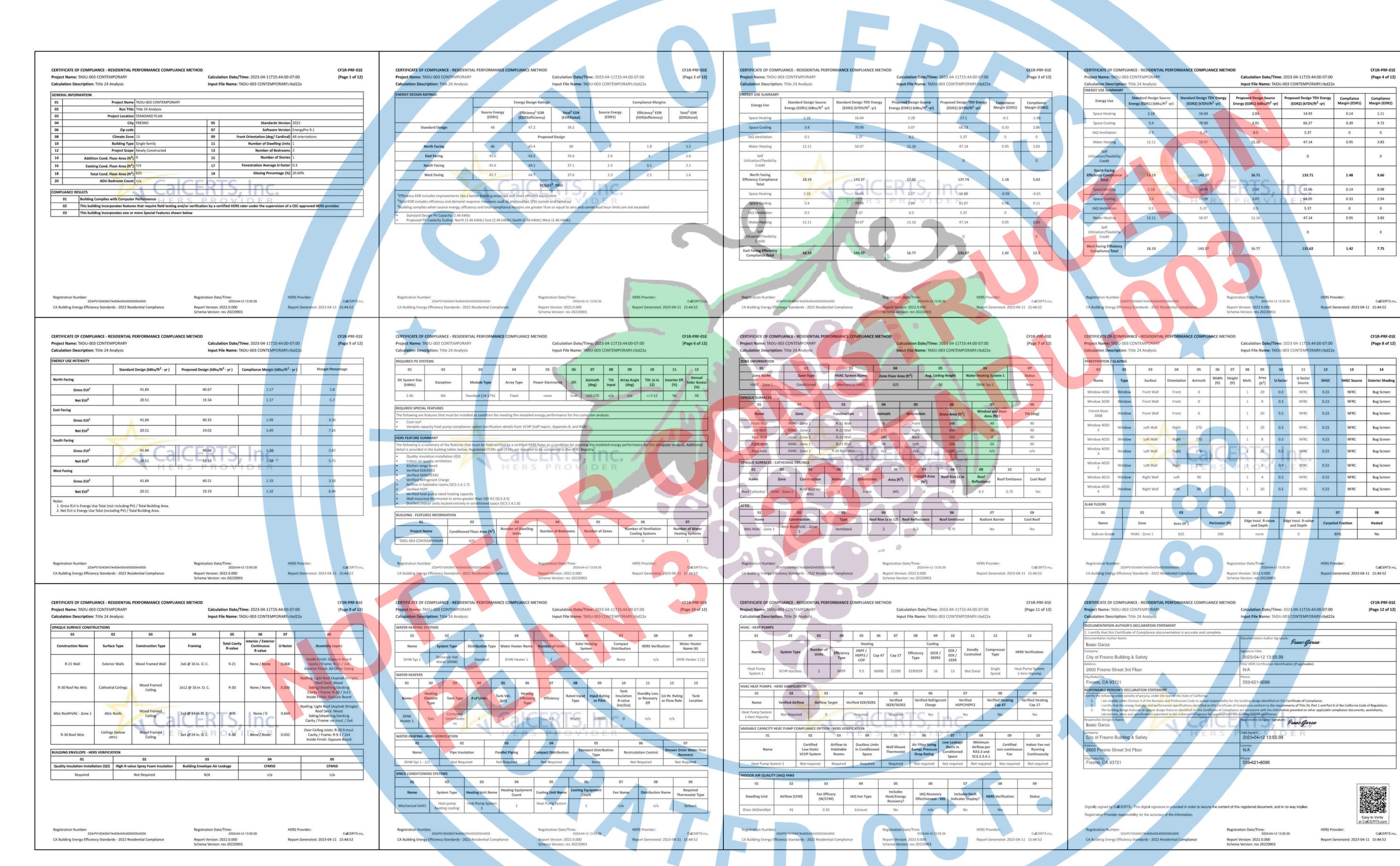


JOB# : TADU-003 SHEET NO.

DATE: 17-Apr-23

SCALE: AS NOTED

DRAWN BY: IRG





PLANNING AND DEVELOPMENT
DEPARTMENT
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|| PROJEC

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

NO. DESCRIPTION DATE

CITY USE ONLY

DRAWING TITLE

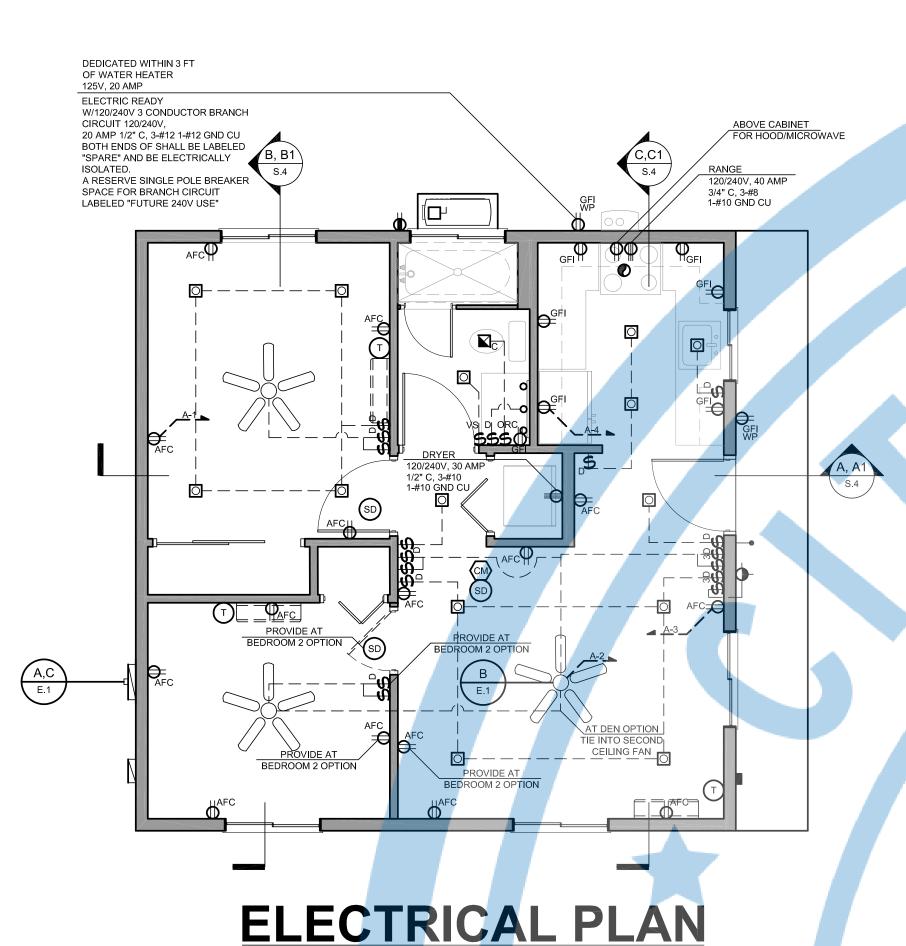
ENERGY
DOCUMENTATION
FOR
CONTEMPORARY

JOB# : TADU-003

DATE: 13-Apr-23

SCALE: AS NOTED

DRAWN BY: IRG



GABLE/CONTEMPORARY/CRAFTSMA (SAME DESIGN FOR PORCH OPTION

ELECTRICAL NOTES:

(INCLUDING SERVICE) AS NECESSARY.

ELECTRICAL LEGEND:							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION				
မာ္ဗ	3-WAY SWITCH W/ DIMMER	Þ	DUPLEX OUTLET				
ω°	SINGLE POLE SWITCH W/ DIMMER	₽	220 V. OUTLET				
Θ	SINGLE POLE SWITCH	þ =AFC	DUPLEX OUTLET W/ARC-FAULT CIRCUIT INTERRUPTER				
မာဗ	SINGLE POLE SWITCH W/OVER RIDE CONTROL.	Þ -GFI WP	WATERPROOF OUTLET W/GROUND FAULT CIRCUIT INTERRUPTER				
<mark>⇔</mark> ≳	VACANCY SENSOR SWITCH	þ =GFI	DUPLEX OUTLET W/GROUND FAULT CIRCUIT INTERRUPTER				
	WALL MOUNTED FIXTURE(LED) W/MOTION		DOOR BELL BUTTON				
	SENSOR & INTEGRAL PHOTO CONTROL] :	CHIME ASSEMBLY				
0	WALL MOUNTED LIGHT STRIP FIXTURE	D	THERMOSTAT				
6	(LED)		GARAGE DOOR SENSOR				
	CEILING MOUNTED FIXTURE RECESSED CAN (LED)	þ	GARAGE DOOR OPENER				
	CEILING FAN W/LIGHT (LED) (SEPARATE SWITCH FOR FAN)		STREET ADDRESS NUMERALS AT LEAST 3" HIGH WIA 1/4" STROKE MOUNTED ON A CONTRASTING BACKGROUND CLEARLY VISIBLE FROM THE STREET (ILLUMINATED)				
	SWITCH CIRCUIT SMOKE ALARM, SEE ELECTRICAL NOTES	I	ELECTRICAL SERVICE W/ METER. OWNER TO VERIFY W/ LOCAL UTILITY COMPANY. SEE ELECTRICAL LOAD CALCULATION FOR SIZE.				
SD	NUMBER 42 FOR SPECIFICATIONS.		DISCONNECT SWITCH IN BOX				
CM	CARBON MONOXIDE ALARM. SEE ELECTRICAL NOTES NUMBER 43 FOR	=	110 V WATER PROOF OUTLET WITHIN 25'-0" OF UNIT ON THE SAME LEVEL				
CW	SPECIFICATIONS.		INDOOR AIR QUALITY BUILDING CONTINUOUS EXHAUST FAN WITH OVERRIDE CONTROL CONTROL 50 CFM.				
	AC COMBINER FOR PHOTOVOLTAIC SYSTEM. SEE PHOTOVOLTAIC PLANS.	Ø	ELECTRICAL SUB PANEL 100 AMP FOR ENERGY STORAGE SYSTEM READY.				

DEDICATED BRANCH CIRCUITS FOR ENERGY STORAGE SYSTEM

CONDUIT, CONDUCTORS GROUND CONDUCTOR

ELECTRICAL LOAD CALCULATION

DESCRIPTION OF ELECTRICAL LOAD	SQ.FT.	LOAD PER SQ.FT.	ELECTRICAL LOAD TOTAL FOR GENERAL LIGHTING	MEASUREME OF POWE
GENERAL LIGHTING	625	3	1,875	WATTS
DESCRIPTION OF ELECTRICAL LOAD	QUANTITY	LOAD PER APPLIANCE	ELECTRICAL LOAD TOTAL PER APPLIANCE	MEASUREME OF POWE
SMALL APPLIANCE	1	3,000	3,000	WATTS
CLOTHES WASHER	1	1,200	1,200	WATTS
DOUBLE OVEN	0	8,000	0	WATTS
RANGE/OVEN	1	9,000	9,000	WATTS
WATER HEATER	0	4,500	0	WATTS
DISHWASHER	0	1,800	0	WATTS
DRYER	1	5,000	5,000	WATTS
MISCELLANEOUS	0	0	0	WATTS
		SUBTOTAL	20,075	WATTS
FIRST 10	0,000 WAT	TS AT 100%	10,000	WATTS
SUBTOTAL-FIRST 10	0,000 WAT	TS AT 100%	10,075	WATTS
(SUBTOTAL-FIF	ST 10,000	4.020	MATTE	

100%)XO.40 = REMAINING WATTS AT 40% REMAINING WATTS AT 40% + 10,000 WATTS = SUBTOTAL GENERAL LOADS

ABOVE ROOF

C OVERHEAD SERVICE

EV POWER SUPPLY AT 100% TOTAL WATTAGE TOTAL WATTAGE/240 VOLTS **AMPS**

SERVICE W/METER. PROVIDE MINIMUM 225 BUSBAR RATIN

MAXIMUM MAST HEIGHT ABOVE

ROOF-WITHOUT BRACING

RS OR IMC AL WITHOUT BRACING

PERISCOPES OVER 30" ABOVE ROOF

SHALL BE ADEQUATELY BRACED BY

PPROXIMATELY 90 DEGREE SPREA

3/4" PIPE OR 1 1/4" X 1/8" ANGLE MIN

LARGER LARGER

- 2X4 BLOCKING BETWEEN

RAFTERS SOLIDLY INSTALLE

ROVIDE PERISCOPE STRUCTURE

SUPPORT, A HEAVY DUTY PIPES

STRAP SECURED BY (MIN. SIZE 3/8" BOLTS OR 3/8" BY 3" LAS SCREWS IS REQUIRED AT THE

CONDUCTORS EXTENDED 18" FROM WEATHERHEAD

(SEE ABOVE FOR ENLARGE VIEW)

EQUIPMENT WHEN EXPOSED TO SURFACE OR FLUSH MOUNTED

MBINATION METER SOCKET AND

-NO. 4 COPPER GROUND WIRE (MUST BE IN

-#4 X 20' REBAR IN FOOTING (UFER) (ON AN EXISTING RESIDENCE CHANGE THAT USES

5/8"X8' GROUND ROP SHALL BE INSTALLED

200 AMP SERVICE EQUIPMENT (MAY CONSIST OF SOCKET AND SEPARATE

-BOND TO 10' MINIMUM METAL COLD WATER PIPE LOCATED IN GROUND

THE WATER SYSTEM AS THE ONLY

CIRCUIT BREAKER CABINET IF

LOCATION SHOWN.

2" RIGID CONDUIT

-APPROVED CLAMP

FLASHING

2-GALVANIZED BRACES AT

SYMBOL W/DESCRIPTION FOR DEDICATED OUTLET

READY REQUIREMENTS.

DESCRIPTION OF ELECTRICAL LOAD	SQ.FT.	LOAD PER SQ.FT.	ELECTRICAL LOAD TOTAL FOR GENERAL LIGHTING	MEASUREMENT
GENERAL LIGHTING	625	3	1,875	WATTS
DESCRIPTION OF ELECTRICAL LOAD	QUANTITY	LOAD PER APPLIANCE	ELECTRICAL LOAD TOTAL PER APPLIANCE	MEASUREMENT OF POWER
SMALL APPLIANCE	1	3,000	3,000	WATTS
CLOTHES WASHER	1	1,200	1,200	WATTS
DOUBLE OVEN	0	8,000	0	WATTS
RANGE/OVEN	1	9,000	9,000	WATTS
WATER HEATER	0	4,500	0	WATTS
DISHWASHER	0	1,800	0	WATTS
DRYER	1	5,000	5,000	WATTS
MISCELLANEOUS	0	0	0	WATTS
		SUBTOTAL	20,075	WATTS
FIRST 10	DOOL WAT	TS AT 1007	10,000	WATTS

WATTS WATTS

SERVICE RATING SECTION 150.0(s). SINGLE PHASE SERVICE PROVIDE 2- 3/0 CU-THWN AND 1-#6 CU-THWN GROUND CONDUCTORS IN 2" CONDUIT. CONNECTION TO UTILITY COMPANY'S SERVICE WILL BE VERIFIED AT TIME OF LOT SPECIFIC BUILDING OVERHEAD OR UNDERGROUND SERVICE FEEDER WILL BE INSTALLED.

CONDULET

CLAMPS

FURNISHED AND

INSTALLED BY

FURNISH AND INSTALL ALL OUTLETS, SWITCHES, FIXTURES AND EQUIPMENT INDICATED, INCLUDING LIGHT BULBS, AND INSTALL ANY FIXTURES AND EQUIPMENT FURNISHED BY OWNER. NON-METALLIC SHEATHED CABLE SHALL BE CONCEALED OR PROTECTED. ALL FIXTURES, DEVICES AND EQUIPMENT SHALL COMPLY WITH APPLICABLE REGULATIONS. SERVICE PANEL SHORT CIRCUIT CURRENT CALCULATIONS MUST BE PROVIDED FROM UTILITY COMPANY INDICATING THE MAXIMUM SHORT CIRCUIT CURRENT AVAILABLE AT THE TERMINALS OF MAIN SERVICE. THE CALCULATIONS MUST BE PROVIDED TO THIS OFFICE PRIOR TO THE SERVICE BEING ENERGIZED. ALL EQUIPMENT INSTALLED MUST BE RATED AT OR ABOVE THE AVAILABLE INTERRUPTING CURRENT. A GROUNDING ELECTRODE COMPLYING WITH SECTION 250-BO(C) OF THE CEC MUST BE PROVIDED FOR GROUNDING OF THE MAIN SERVICE.[CEC250-24] IF A PERIMETER FOOTING IS TO BE POURED, THE ELECTRODE

MUST BE A CONCRETE-ENCASED ELECTRODE COMPLYING WITH CEC SECTION 250-18(C).IF GROUND RODS ARE TO BE USED FOR GROUNDING SERVICES IN EXCESS OF 400 AMPS A MINIMUM OF TWO RODS, SPACED AT LEAST SIX FT. APART, SHALL BE USED.[CEC250-84] THE WORKING CLEARANCE REQUIRED BY SECTION 110-16 OF THE CEC MUST BE PERMANENTLY DELINEATED ON THE FLOOR IN FRONT OF ALL ELECTRICAL PANELS LOCATED IN STORAGE OR PROCESSING AREAS WITH THE WORDING "NO STORAGE IN THIS AREA"

. UNDERGROUND GAS PIPES SHALL NOT BE USED AS A GROUNDING ELECTRODE PER CEC 250-52(a). 3. KITCHEN COUNTERS SHALL BE EQUIPPED WITH TWO OR MORE 20-AMP CIRCUITS FOR SMALL APPLIANCES. ELECTRIC READY ITEMS REQUIRE BREAKER SPACE AND LABELING IN PANEL. 5. A TYPE 2 SURGE PROTECTION DEVIC<mark>E (SPD) S</mark>HALL BE INSTALLED IN ACC<mark>ORDAN</mark>CE WITH ITEMS A THROUGH D

A. TYPE 2 SPD SHALL BE CONNECTED ANYWHERE ON THE LOAD SIDE OF A SERVICE DISCONNECT OVER CURRENT DEVICE. THE SERVICE OVERCURRENT DEVICE SHALL BE AN INTEGRAL PART OF THE SERVICE DISCONNECTING MEANS OR SHALL BE LOCATED IMMEDIATELY ADJACENT THERETO. WHERE FUSES ARE USED AS THE SERVICE OVERCURRENT DEVICE, THE DISCONNECTING MEANS SHALL BE LOCATED AHEAD OF THE SUPPLY SIDE OF THE B. TYPE 2 SPD SHALL BE CONNECT AT THE BUILDING OR STRUCTURE ANYWHERE ON THE LOAD SIDE OF THE FIRST OVERCURRENT DEVICE AT THE BUILDING OR STRUCTURE. C. THE SPD SHALL BE CONNECTED ON THE LOAD SIDE OF THE FIRST OVERCURRENT DEVICE IN A SEPARATELY

D. ANY SPD MUST BE CERTIFIED BY THE UNDERWRITERS LABORATORIES (UL)

DERIVED SYSTEM.

). CENTRAL HEATING EQUIPMENT REQUIRES INDIVIDUAL BRANCH CIRCUITS.

PROVIDE A DESIGNATED 20 AMP CIRCUITS FOR THE LAUNDRY ROOM.

RECEPTACLES: . ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING RECEPTACLES INSTALLED IN DWELLING UNIT KITCHEN, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS OR SIMILAR ROOMS AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER (AFCI), COMBINATION TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. THIS INCLUDES LIGHTS, RECEPTACLES, FANS AND SMOKE DETECTORS, EXCEPTION 1: WHERE RMC, IMC, EMT, OR STEEL ARMORED CABLE, TYPE AC, MEETING THE REQUIREMENTS OF CEC 250.118 USING METAL OUTLET AND JUNCTION BOXES IS INSTALLED FOR THE PORTION OF THE BRANCH CIRCUIT BETWEEN THE BRANCH CIRCUIT OVER CURRENT DEVICE AND THE FIRST RECEPTACLE, IT SHALL BE PERMITTED TO INSTALL A COMBINATION AFCLAT THE FIRST OUTLET TO PROVIDE PROTECTION FOR THE REMAINING PORTION OF THE BRANCH CIRCUIT. . ALL REQUIRED 125-VOLT, 15 AND 20 AMPERE RECEPTACLES SHALL BE LI<mark>STED TAMPER</mark>-RESIS<mark>TAN</mark> RECEPTACLES.

PERMANENTLY LABEL EACH DISCONNECT, CLEARLY IDENTIFY THE CIRCUITRY THAT IS CONTROLLED BY THE

HOOD FAN AND MICROWAVE/HOOD FAN COMBINATION UNITS SHALL HAVE IT'S OWN SEPARATE 20 AMP CIRCUIT

CHECK EXISTING SYSTEM WITH REFERENCE TO NEW WORK TO BE DONE. RE-ROUTE AND /OR REPLACE PORTIONS

PROVIDE GROUND-FAULT-CIRCUIT-INTERRUPTERS (GFI) PROTECTION FOR ALL 125-VOLT, SINGLE PHASE, 15-AND 20- AMP BATHROOM, LAUNDRY, GARAGE AND EXTERIOR RECEPTACLES, COUNTERTOP RECEPTACLES WITHIN 6'-0" OF ALL SINK LOCATIONS, AND ALL KITCHEN RECEPTACLES. . AT LEAST ONE LIGHT OUTLET (WALL SWITCH CONTROLLED) SHALL BE INSTALLED ON THE EXTERIOR SIDE OF OUTDOOR ENTRANCES AND EXITS. [NEC 210-70(A)]

RECEPTACLE OUTLETS AT COUNTER TOPS SHALL MEET THE FOLLOWING REQUIREMENTS. A. RECEPTACLE OUTLETS SHALL NOT BE INSTALLED IN A FACE UP POSITION IN THE WORK SURFACE B. RECEPTACLE OUTLETS SHALL BE LOCATED ABOVE, BUT NOT MORE THAN 20 INCHES ABOVE THE COUNTER TOP. RECEPTACLE OUTLETS SHALL BE PERMITTED TO BE MOUNTED NOT MORE THAN 12 INCH BELOW THE COUNTERTOP PROVIDED THE COUNTERTOP DOES NOT EXTEND MORE THAN 6 INCH BEYOND ITS SUPPORT BASE D. ON ISLAND AND PENINSULAR COUNTERTOPS, RECEPTACLES MAY BE MOUNTED A MAXIMUM 12 INCH BELOW COUNTERTOP PROVIDED THERE ARE NO BACKSLASHES ON DIVIDERS AND NO MEANS TO MOUNT WITHIN 18 INC. ABOVE COUNTERTOP, SUCH AS AN OVERHEAD CABINI

. ALL 120 VOLT WEATHERPROOF RECEPTACLE SHALL BE G.F.C.I. TYPE, PROVIDE WEATHER-PROOF RECEPTACLE WITHIN 25 FT. OF ALL HVAC UNITS. 0. BATHROOM RECEPTACLES ARE TO BE SUPPLIED BY AT LEAST ONE 20-AMP BRANCH CIRCUIT, THE CIRCUIT SHALL HAVE NO OTHER OUTLETS. 1. A 4-WIRE GROUNDED BRANCH CIRCUIT IS REQUIRED FOR ALL 240 VOLTS CIRCUITS SERVING COOKIN

EQUIPMENT AND CLOTHES DRYERS. ALL RECEPTACLE OUTLET BOXES IN FIRE RESISTIVE ASSEMBLIES SHALL BE MADE OF STEEL AND A MAXIMUM OF 16 SQ.IN. BE SEPARATED BY A MINIMUM OF 24" HORIZONTALLY. ALL PENETRATIONS SHALL BE FIRE STOPPED

WITH AN APPROVED LISTED SYSTEM. ANENTLY INSTALLED LIGHTING FIXTUR<mark>ES SHA</mark>LL BE HIGH-EF<mark>FICAC</mark>Y LUMINAIRES IN ACCORDANCE WITH TABLE 150.0-A OF THE CEC. A SCHEDULE OF ALL INTERIOR LUMINARIES AND LAMPS INSTALLED MUST BE DELIVERED TO THE HOMEOWNER AFTER FINAL INSPECTION (TITLE 24 CALIFORNIA CODE OF REGULATIONS, PART 1, 10-103(B)3). IN ADDITION TO A COMPLETE LIST OF INSTALLED LIGHTING SYSTEMS, THE LIGHTING SCHEDULE SHOULD INCLUDE ALL NECESSARY SYSTEM INFORMATION FOR REGULAR OPERATIONS AND MAINTENANCE, AND REFERENCES TO SUPPORT FUTURE UPGRADES TO THE LIGHTING SYSTEM.

4. LED LIGHTING USED IN RESIDENTIAL LIGHTING MUST BE CERTIFIED BY THE ENERGY COMMISSION BY THE MANUFACTURER IN ACCORDANCE WITH REFERENCE JOINT APPENDIX JA-8. LED LIGHTING NOT CERTIFIED SHALL BE CLASSIFIED AS "LOW EFFICACY". LIGHTING AND CONTROLS SHALL CONFORM TO 2022 BUILDING ENERGY EFFICIENCY STANDARDS. 26. THE ENERGY STANDARDS REQUIRE VACANCY SENSORS TO CONTROL AT LEAST ONE LUMINAIRE IN THE

FOLLOWING ROOM TYPES. BATHROOMS, UTILITY/LAUNDRY ROOMS AND GARAGES. 7. ALL 3 WAY 4 WAY AND OTHER LIGHTING CIRCUITS CONTROLLED BY MORE THAN ONE SWITCH. A LIGHTING CIRCUIT CONTROLLED BY MORE THAN ONE SWITCH WHERE A DIMMER OR VACANCY SENSOR HAS BEEN INSTALLED TO COMPLY WITH 150.0(k) SHALL MEET ALL OF THE FOLLOWING CONDITIONS: A. NO CONTROLS SHALL BYPASS THE DIMMER OR VACANCY SENSOR FUNCTION.

B. THE DIMMER OR VACANCY SENSOR SHALL BE CERTIFIED TO THE ENERGY COMMISSION THAT IT COMPLIES WITH THE APPLICABLE REQUIREMENTS OF 110.9. ENCLOSED LUMINARIES: MAY ONLY CONTAIN LIGHT SOURCES THAT ARE MARKED "JA8-2019-E" AND MUST MEET IIGH-EFFICACY REQUIREMENTS OF JA8 INTERIOR SWITCHES AND CONTROLS: NO CONTROL MUST BYPASS A DIMMER OR VACANCY SENSOR FUNCTION IF

THE CONTROL IS INSTALLED TO COMPLY WITH SECTION 150.0(k). AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) MAY BE USED TO COMPLY WITH DIMMER AND VACANCY SENSOR REQUIREMENTS IN ACCORDANCE WITH SECTION 150(K)(2)(G&H) LUMINARIES SHALL BE SWITCHED WITH READILY ACCESSIBLE CONTROLS THAT PERMIT LUMINARIES TO BE

SWITCHED ON AND OFF. P FIXTURES USED TO MEET HIGH-EFFICACY LIGHTING REQUIREMENTS SHALL NOT CONTAIN MEDILIM-BASE INCANDESCENT LAMP SOCKETS RECESSED DOWN LIGHT LUMINARIES IN CEILINGS. LUMINARIES RECESSED INTO CEILING MUST NOT CONTAIN

SCREW BASE SOCKETS AND MUST MEET THE FOLLOWING REQUIREMENTS. A. BE DEFINED IN SECTION 100.1 FOR ZERO CLEARANCE INSULATION CONTACT.

3. HAVE A LABEL THAT CERTIFIED IT IS AIRTIGHT WITH AIR LEAKAGE LESS THAN 2.0 CFM AT 75 PASC<mark>ALS, B</mark>E SEALED WITH A GASKET OR CAULK BETWEEN THE LUMINAIRE HOUSING AND CEILING. . HAVE ALL AIR LEAKS PATHS BETWEEN CONDITIONED AND UNCONDITIONED SPACES SEALED WI<mark>TH A G</mark>ASKET OR . ALLOW BALLAST OR DRIVER MAINTENANCE AND REPLACEMENT TO BE READILY ACCESSIBLE FROM BELOW THE

CEILING FOR LUMINARIES WITH HARDWIRED BALLASTS OR DRIVERS. E. CONTAIN LIGHT SOURCES THAT COMPLY WITH JA8 ELECTRONIC BALLAST: BALLASTS FOR FLUORESCENT LAMPS 13 LAMP WATTS AND GREATER SHALL BE ELECTRONIC WITH AN OUTPUT FREQUENCY >20 kHZ. NO PARTS OF CORD CONNECTED FIXTURES, HANGING FIXTURES, LIGHTING TRACK, PENDA<mark>NTS, O</mark>R CEILING SUSPENDED (PADDLE) FANS SHALL BE LOCATED WITHIN A ZONE MEASURED 3 FT. HORIZONTALLY AND 8 FEET

VERTICALLY FROM THE TOP OF THE BATHTUB RIM OR SHOWER STALL THRESHOLD. TH<mark>IS ZON</mark>E IS ALL ENCOMPASSING AND INCLUDES THE ZONE DIRECTLY OVER THE TUB OR SHOWER STALL. . LIGHTING FIXTURES IN CLOTHES CLOSETS TO COMPLY WITH CEC 410.2 AND 410.16. . LIGHT FIXTURES INSTALLED ON THE EXTERIOR OF THE BUILDING OR WITHIN TUB AND/OR SHOWER ENCLOSURES MUST BE LISTED FOR DAMP LOCATIONS.

. BLANK ELECTRICAL BOXES: THE NUMBER OF ELECTRICAL BOXES THAT ARE MORE THAN 5 FEET ABOVE THE FINISHED FLOOR AND DO NOT CONTAIN A LUMINAIRE OR OTHER DEVICE SHALL BE NO GREATER THAN THE NUMBER OF BEDROOMS - THESE ELECTRICAL BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR CONTROL, OR FAN SPEED CONTROL. . AT EVERY RECEPTACLES USED EXCLUSIVELY FOR LIGHTING THE BOX SHALL BE DESIGNED OR INSTALLED SO THAT A LUMINARIES OR LAMP HOLDER MAY BE ATTACHED. BOXES SHALL BE REQUIRED TO SUPPORT A

SUPPORTED INDEPENDENTLY OF THE RECEPTACLES BOX, UNLESS THE RECEPTACLES BOX IS LISTED AND MARKED ON THE INTERIOR OF THE BOX TO INDICATE THE MAXIMUM WEIGHT THE BOX SHALL BE PERMITTED TO ALL OUTDOOR LIGHTING PERMANENTLY ATTACHED TO THE RESIDENCE OR OTHER BUILDING ON THE SAME LOT SHALL BE HIGH-EFFICACY, CONTROLLED BY AN MANUAL ON AND OFF SWITCH THAT DOES NOT OVERRIDE

LUMINAIRE WEIGHING A MINIMUM OF 50 LBS. A LUMINAIRE THAT WEIGHS MORE THAN 50 LBS. SHALL BE

D. CEILING SUSPENDED (PADDLE) FANS SHALL BE SUPPORTED INDEPENDENTLY OF AN RECEPTACLE BOX OR BY LISTED RECEPTACLE BOX OR RECEPTACLE BOX SYSTEMS IDENTIFIED FOR THE USE.

NIGHT LIGHTS: PERMANENTLY INSTALLED NIGHT LIGHTS AND NIGHT LIGHTS INTEGRAL TO INSTALLED LUMINAIRES OR EXHAUST FANS SHALL BE RATED TO CONSUME NO MORE THAN FIVE WATTS OF POWER LIGHTS SHALL NOT BE REQUIRED TO BE CONTROLLED BY VACANCY SENSORS. SMOKE ALARMS:

2. SMOKE DETECTION AND NOTIFICATION ALARM: A POWER SOURCE: IN NEW CONSTRUCTION, REQUIRED SMOKE DETECTORS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACKUP. THE DETECTOR SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THEN THOSE REQUIRED FOR OVER CURRENT PROTECTION.

B. LOCATION WITHIN DWELLING UNITS. a SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE LOCATED WHERE AMBIENT CONDITIONS. INCLUDING HUMIDITY AND TEMPERATURE, ARE OUTSIDE THE LIMITS SPECIFIED BY THE

MANUFACTURER'S PUBLISHED INSTRUCTIONS. b. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN UNFINISHED ATTICS OR GARAGE OR OTHER SPACES WHERE TEMPERATURES CAN FALL BELOW 40° F OR EXCEED 100° F. c. WHERE THE MOUNTING SURFACE COULD BECOME CONSIDERABLY WARMER OR COOLER THAN THE ROOM: SUCH AS A POORLY INSULATED CEILING BELOW AN UNFINISHED ATTIC OR AN EXTERIOR WALL, SMOKE ALARMS AND SMOKE DETECTORS SHALL BE MOUNTED ON AN INSIDE WALL.

SMOKE ALARMS OR SMOKE DETECTORS SHALL BE INSTALLED A MINIMUM OF 20 FEET HORIZONTAL DISTANCE FROM A PERMANENTI Y INSTALLED COOKING APPLIANCE EXCEPTION: LONIZATION SMOKE ALARMS WITH AN ALARM SILEN<mark>CING S</mark>WITCH OR PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTEI O BE INSTALLED 10 FEET OR GREATER FROM A PERMANENTLY INSTALLED COOKING APPLIANCE. PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTED TO E INSTALLED GREATER THAN 6 FEET FROM RMANENTLY INSTALLED COOKING APPLIANCE WHERE THE KITCHEN OR COOKING AREA AND ADJACENT SPACES HAVE NO CLEAR INTERIOR PARTITIONS AND THE 10 FEET DISTANCE WOULD PROHII THE PLACEMENT OF A SMOKE ALARM OR SMOKE DETECTOR REQUIRED BY OTHER SECTIONS OF THE CODE. SM<mark>OKE ALARMS LISTED FOR USE IN CL</mark>OSE PROXIMITY TO A PERMANENTLY INSTALLED COOKING

INSTALLATION NEAR BATHROOMS. SMOKE ALARMS SHALL BE INSTALLED NOT LESS THAN A 3 FOOT HORIZONTAL DISTANCE FROM THE DOOR OR OPENING OF A BATHROOM THAT CONTAINS A BATHTUB OR SHOWER UNLESS THIS WOULD PREVENT PLACEMENT OF A SMOKE ALARM REQUIRED BY OTHER

SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN A 36 INCH HORIZONTAL PATH FROM THE SUP<mark>PLY R</mark>EGISTERS OF A FORCED AIR HEATING OR COOLING SYSTEM AND SHALL BE INSTALLED OUTSIDE OF THE DIRECT AIRFLOW FROM THOSE REGISTERS. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN A 36 INCH HORIZONTAL PATH ROM THE TIP OF THE BLADE OF A CEILING-SUSPENDED (PADDLE) FAN. WHERE STAIRS LEAD TO OTHER OCCUPIED LEVELS, A SMOKE ALARM OR SMOKE DETECTOR SHALL BE

D SO THAT SMOKE RISING IN THE STAIRWAY CANNOT BE PREVENTED FROM REACHING THE SMOKE ALARM OR SMOKE DETECTOR BY AN INTERVENING DOOR OBSTRUCTION. FOR STAIRWAYS LEADING UP FROM A BASEMENT, SMOKE ALARM OR SMOKE DETECTORS SHALL BE OCATED ON THE BASEMENT CEILING NEAR THE ENTRY TO THE STAIRS. FOR TRAY-SHAPED CEILINGS (COFFERED CEILINGS), SMOKE ALARMS AND SMOKE DETECTORS SHALL BE INSTALLED ON THE HIGHEST PORTION OF THE CEILING OR ON THE SLOPED PORTION OF THE CEILING

WITHIN 12 INCH VERTICALLY DOWN FROM THE HIGHEST POINT. SMOKE ALARMS AND SMOKE DETECTORS INSTALLED IN ROOMS WITH JOISTS OR BEAMS SHALL COMPLY WITH THE REQUIREMENTS OF 17.7.3.2.4. HEAT ALARMS AND DETECTORS INSTALLED IN ROOMS WITH JOIST OR BEAMS SHALL COMPLY WITH THE ARBON MONOXIDE DETECTOR ALARMS

FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING UNITS AND N SL<mark>EEPIN</mark>G UNIT<mark>S WITHI</mark>N WHICH FUEL- <mark>BURNIN</mark>G APPLIANCES ARE INSTALLED; AND IN DWELLING UNITS THAT HAVE

FOR NEW CONSTRUCTION, REQUIRED CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FR<mark>OM THE</mark> BUILDIN<mark>G WIR</mark>ING WHERE SUCH IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED TH<mark> A BATT</mark>ERY B<mark>ACK-</mark> UP. ALARM WIR**ING SH**ALL BE DIRECTLY CONNECTED CONNECTED TO THE PERMANEN BUILDING WIRING WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVER CURRENT

IN DWELLING UNITS WHERE THERE IS NO COMMERCIAL POWER SUPPLY, THE CARBON MONOXIDE ALARM MAY BE SOLELY BATTERY OPERATED. IN EXISTING DWELLING UNITS A CARBON MONOXIDE ALARM IS PERMITTED TO BE SOLELY BATTER OPERATED WHERE REPAIRS OR ALTERATIONS DO NOT RESULT IN THE REMOVAL OF WALL AND CEILING INISHES OR THERE IS NO ACCESS BY MEANS OF ATTIC, BASEMENT OR CRAWL SPACE. OTHER POWER SOURCES RECOGNIZED FOR USE BY NFPA 720.

B. INTERCONNECTION: WHERE MORE THAN ONE CARBON MONOXIDE ALARM IS REQUIRED TO BE INSTALLED WITHIN THE DWELLING UNIT OR WITHIN A SLEEPING UNIT, THE ALARM SHALL BE INTERCONNECTED IN A MANNER THAT ACTIVATION OF ONE ALARM SHALL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT.

INTERCONNECTION IS NOT REQUIRED IN EXISTING DWELLING UNITS OR WITHIN SLEEPING UNITS WHERE REPAIRS DO NOT RESULT IN THE REMOVAL OF ALL AND CEILING FINISHES, THERE IS NO ACCESS BY MEANS OF ATTIC, BASEMENT OR CRAWL SPACE, AND NO PREVIOUS METHOD FOR INTERCONNECTION

C. WHERE REQUIRED IN EXISTING DWELLINGS OR SLEEPING UNITS: WHERE A PERMIT IS REQUIRED FOR ALTERATIONS, REPAIRS OR ADDITIONS EXCEEDING ONE THOUSAND DOLLARS (\$1,000), EXISTING DWELLINGS OR SLEEPING UNITS THAT HAVE ATTACHED GARAGES OR FUEL-

BURNING APPLIANCES SHALL BE PROVIDED WITH A CARBON MONOXIDE ALARM IN ACCORDANCE WITH SECTION 420.4.1 CARBON MONOXIDE ALARMS SHALL ONLY BE REQUIRED IN SPECIFIC DWELLING UNIT OR SLEEPING UNIT FOR WHICH THE PERMIT WAS OBTAINED. D. ALARM REQUIREMENTS: SINGLE- AND MULTIPLE- STATION MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH THE

REQUIREMENTS OF UL 2034. CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL 2075. CARBON MONOXIDE ALARMS AND CARBON MONOXIDE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THIS CODE, THE CURRENT EDITION OF NFPA 720 "STANDARD FOR THE INSTALLATION INSTRUCTIONS. OTHER CARBON MONOXIDE ALARM AND DETECTION DEVICES AS RECOGNIZED IN NFPA 720 ARE ALSO ACCEPTABLE

CARBON MONOXIDE ALARMS REQUIRED BY SECTIONS 420.4.1 AND 420.4.2 SHALL BE INSTALLED IN THE OUTSIDE OF EACH SEPARATE DWELLING UNIT SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE

ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS. WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR IT'S ATTACHED BATHROOM. SPECIFY THE DIRECT WIRED, 110V WITH BATTERY BACKUP, AND INTERCONNECTED. (CRC R315.1.1 AND

 MULTIPLE- PURPOSE ALARMS: CARBON MONOXIDE ALARMS COMBINED WITH SMOKE ALARMS SHALL COMPLY WITH SECTION R31: AND ALL APPLICABLE STANDARDS, AND REQUIREMENTS FOR LISTING AND APPROVAL BY THE OFF OF THE STATE FIRE MARSHAL, FOR SMOKE ALARMS.

GING-IN-PLACE DESIGN REQUIREMENTS: ELECTRICAL RECEPTACLE OUTLETS, SWITCHES AND CONTROLS (INCLUDING CONTROLS FOR HEATING. /ENTILATION AND AIR CONDITIONING) INTENDED TO BE USED BY OCCUPANTS SHALL BE LOCATED NO MORE

AN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX AND NOT LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX ABOVE THE FINISH FLOOR. EXCEPTION #2: RECEPTACLE OUTLETS REQUIRED BY THE CALIFORNIA ELECTRICAL CODE ON A WALL SPACE WH THE DISTANCE BETWEEN THE FINISHED FLOO<mark>R AND</mark> A BUILT-IN F<mark>EATURE ABOVE THE FINISH FLOOR, SUCH AS</mark> A

WINDOW, IS LESS THAN 15 INCHES. DOORBELL BUTTONS OR CONTROLS, WHEN INSTALLED, SHALL NOT EXCEED 48 INCHES ABOVE EXTERIOR FLOOR OR LANDING, MEASURED FROM THE TOP OF THE DOORBELL BUTTON ASSEMBLY. WHERE DOORBELL BUTTONS INTEGRATED WITH OTHER FEATURES ARE REQUIRED TO BE INSTALLED ABOVE 48 INCHES MEASURED FROM THE EXTERIOR FLOOR OR LANDING, A STANDARD DOORBELL BUTTON OR CONTROL SHALL ALSO BE PROVIDED AT A HEIGHT NOT EXCEEDING 48 INCHES ABOVE EXTERIOR FLOOR OR LANDING, MEASURED FROM THE TOP OF THE

ENERGY STORAGE SYSTEM READY REQUIREMENTS. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE BRANCH CIRCUITS IN SECTION 150.0(S)(2). ALL BRANCH CIRCUITS ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THAN 1 INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH CIRCUITS (SUBPANEL) MUST BE LABELED "SUBPANEL

DOORBELL BUTTON OR CONTRO

THE CONNECTION OF BACKUP POWER SOURCE.

PROVIDE BONDING TO COLD —

UTILITY COMPANY

NEUTRAL LINK -

BRANCH CIRCUIT

NEUTRAL CONDUCTOR TO

EQUIPMENT GROUNDING

SERVICE EQUIPMENT -

CONCRETE-

FOUNDATION

CONDUCTOR TO BRANCH

NO.4 AWG BARE CU. 20' ENCASED-

UFER GROUND

WITHIN 3" TO BOTTOM OF

WATER, HOT WATER, GAS, AND IN ADDITION TO ANY OTHER EQUIPMENT BONDING.

INCOMING NEUTRAL CONDUCTOR FROM-

SHALL INCLUDE ALL BACKED-UP LOAD CIRCUITS." A MINIMUM OF FOUR BRANCH CIRCUITS SHALL BE IDENTIFIED AND HAVE THEIR SOURCE OF SUPPLY COLLOCATED AT A SINGLE PANELBOARD SUITABLE TO BE SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL

SUPPLY THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE LOCATED NEAR THE PRIMARY EGRESS AND AT LEAST ONE CIRCUIT SHALL SUPPLY A SLEEPING ROOM RECEPTACLE OUTLET. SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3 FEET OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD AND THE SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW

NO. 3/0 COPPER GROUNDING —

ELECTRODE CONDUCTOR AS

APPROVED GROUND CLAMP AT

PERMANENTLY ACCESSIBLE

LOCATION(TYPICAL) ---

BOND TO BUILDING

METAL FRAME

0 0

PLANNING AND DEVELOPMENT DEPARTMENT FRESNO CITY HALL 2600 FRESNO STREET THIRD FLOOR FRESNO. CA. 93721-3600 559-621-8084 darm.building@fresno.gov

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PROJECT:

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

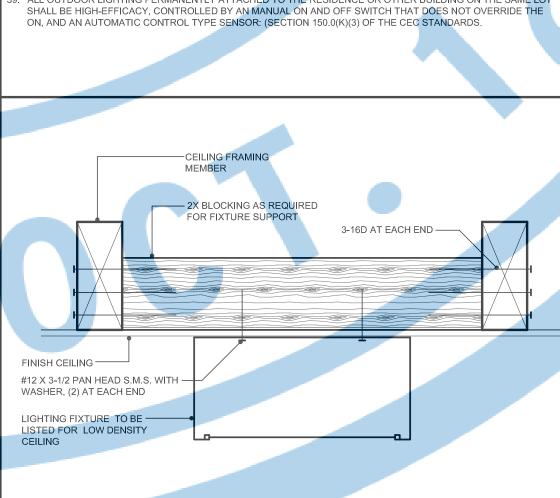
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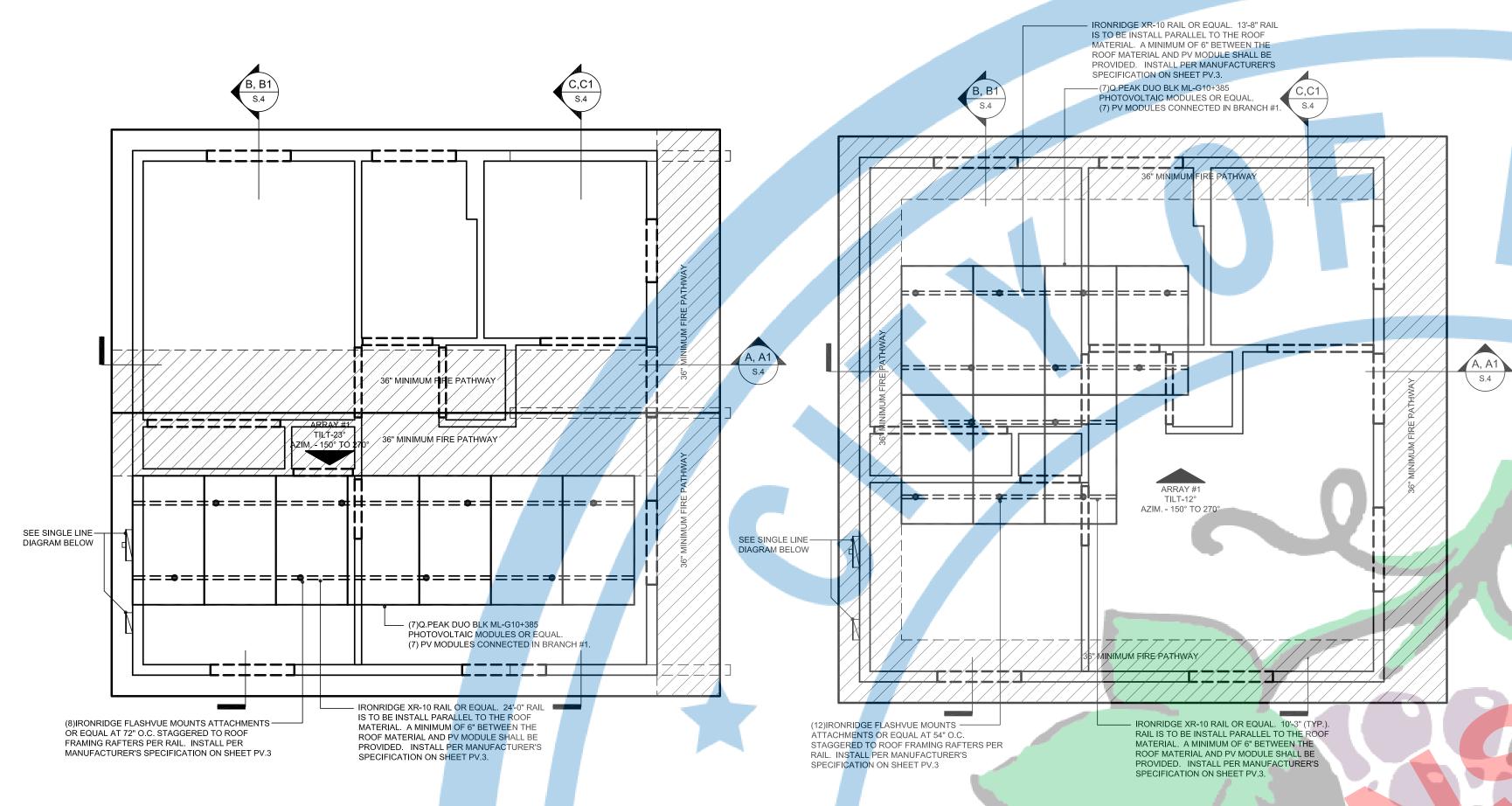
DRAWING TITLE:

ELECTRICAL PLAN AND DETAILS

JOB# : TADU-003 **DATE**: 26-Sep-23 SCALE: AS NOTED DRAWN BY: IRG

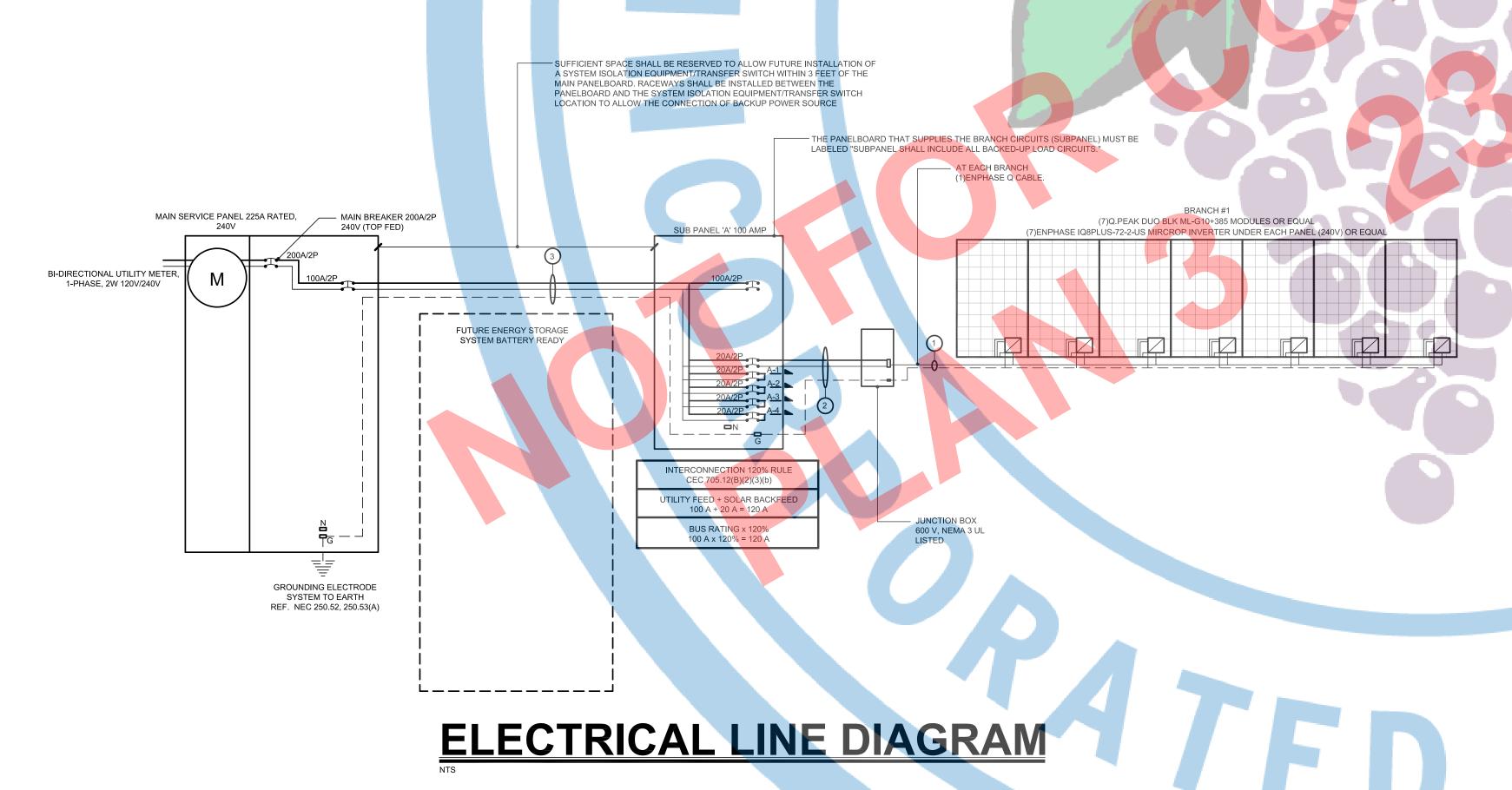


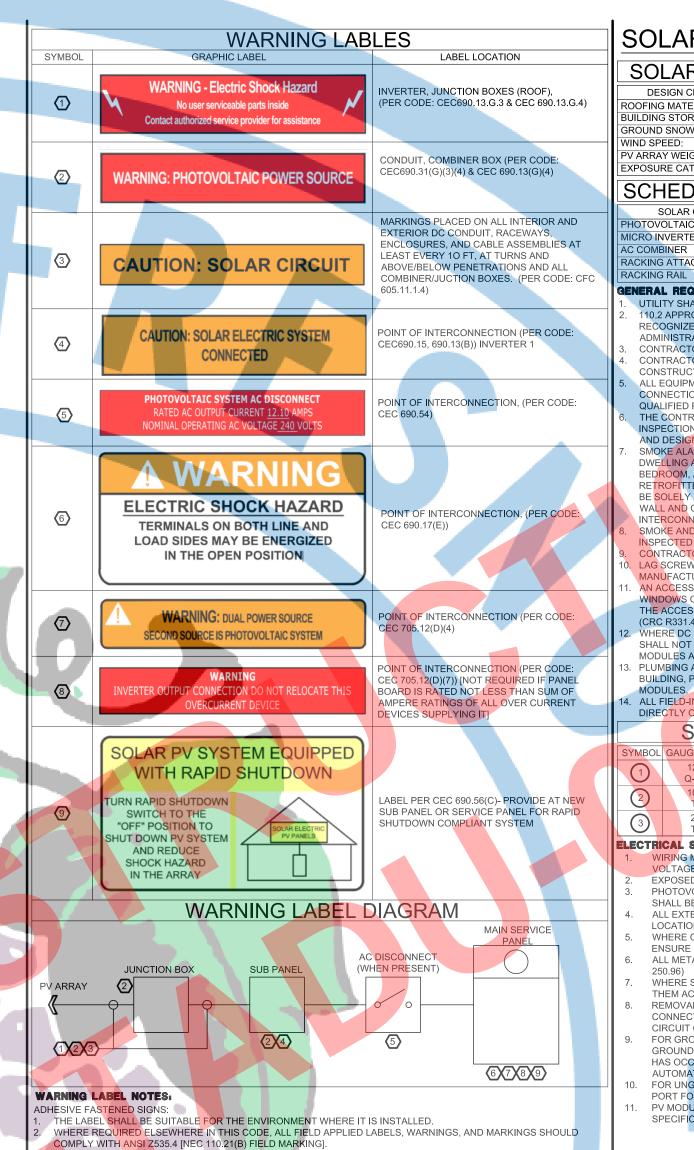
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PHOTOVOLTAIC PLAN

PHOTOVOLTAIC PLAN





ADHESIVE FASTENED SIGNS MAY BE ACCEPTABLE IF PROPERLY ADHERED. VINYL SIGNS SHALL BE WEATHE

RESISTANT [CFC 605.11.1.3]

SOLAR PHOTOVOLTAIC NOTES & SCHEDULE:

SOLAR PHOTOVOLTAIC PROJECT DESIGN CRITERIA

DESIGN CRITERIA DESCRIPTION ARRAY # DESCRIPTION
ROOFING MATERIAL COMPOSITION SHINGLE
BUILDING STORIES: 1 ARRAY # 1 AZIMUTH: 150° TO 270°
GROUND SNOW LOAD: 0 DC STC RATING: 2.70 kW

BOILDING STORIES:

GROUND SNOW LOAD:

WIND SPEED:

PV ARRAY WEIGHT

SCHEDULE OF SOLAR PHOTOVOLTAIC COMPONENTS

SCHEDULE OF SOLAR PHOTOVOLTAIC COMPONENTS

GENERAL REQUIREMENT.

1. UTILITY SHALL BE NOTIFIED BEFORE ACTIVATION OF PV SYSTEM.
2. 110.2 APPROVAL: ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH

NECTION (PER CODE:
ADMINISTRATION.

3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO INITIATING CONSTRUCTION.
4. CONTRACTOR SHALL REVIEW ALL MANUFACTURER INSTALLATION DOCUMENTS PRIOR TO INITIATING

MODULES AND EQUIPMENT. (CEC 690.31(E)(1))

SPECIFICATIONS.

(PER CODE:

(PER C

AND DESIGNED FOR ITS INTENDED USE SMOKE ALARMS ARE REQUIRED TO BE RETROFITTED ONTO THE EXISTING DWELLING AS PER THE 2019 CRC. THESE SMOKE ALARMS ARE REQUIRED TO BE IN ALL BEDROOMS, OUTSIDE EACH BEDROOM, AND AT LEAST ONE ON EACH FLOOR OF THE HOUSE. CARBON MONOXIDE ALARMS ARE REQUIRED TO BE RETROFITTED OUTSIDE EACH BEDROOM AND AT LEAST ONE ON EACH FLOOR OF THE HOUSE. THESE ALARMS MAY BE SOLELY BATTERY OPERATED IF THE PHOTOVOLTAIC PROJECT DOES NOT INVOLVE THE REMOVAL OF INTERIOR

WALL AND CEILING FINISHES INSIDE THE HOME; OTHERWISE, THE ALARMS MUST BE HARD WIRED AND INTERCONNECTED. (CRC R314, R315)
SMOKE AND CARBON MONOXIDE ALARMS ARE REQUIRED PER CRC SECTIONS R314 AND 315 TO BE VERIFIED AND INSPECTED BY THE INSPECTOR IN THE FIELD.

CONTRACTOR SHALL VERIFY THAT THE ROOF STRUCTURE WILL WITHSTAND THE ADDITIONAL LOADS.
 LAG SCREWS SHALL PENETRATE A MINIMUM 2" INTO SOLID SAWN STRUCTURAL MEMBERS AND SHALL NOT EXCEED MANUFACTURER RECOMMENDATIONS FOR FASTENERS INTO ENGINEERED STRUCTURAL MEMBERS.
 AN ACCESS POINT SHALL BE PROVIDED THAT DOES NOT PLACE THE GROUND LADDER OVER OPENINGS SUCH AS WINDOWS OR DOORS ARE LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION AND IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES, OR SIGNS. (CRC R331.4.2)
 WHERE DC CONDUCTORS ARE RUN INSIDE BUILDING, THEY SHALL BE CONTAINED IN A METAL RACEWAY; THEY SHALL NOT BE INSTALLED WITHIN 10" OF THE ROOF DECKING OR SHEATHING EXCEPT WHERE COVERED BY THE PV

PLUMBING AND MECHANICAL VENTS THROUGH THE ROOF SHALL NOT BE COVERED BY SOLAR MODULES - NO BUILDING, PLUMBING, OR MECHANICAL VENTS TO BE COVERED, OBSTRUCTED OR ROUTED AROUND SOLAR MODULES.
 ALL FIELD-INSTALLED JUNCTION, PULL, AND OUTLET BOXES LOCATED BEHIND MODULES SHALL BE ACCESSIBLE DIRECTLY OR BY DISPLACEMENT OF A MODULE SECURED BY REMOVABLE FASTENERS.

SOLAR PHOTOVOLTAIC WIRING SCHEDULE

SYMBOL GAUGE & TYPE GROUND GAUGE & TYPE DESIGN CURRENT(A) CONDUIT SIZE & TYPE QUANTITY

12 AWG 6 AWG 10.0 FREE AIR 2

SYMBOL	GAUGE & TYPE	GROUND GAUGE & TYP		ESIGN CURF	RENT(A)	CON	IDUIT SIZE & TYPE	QUANTITY
1	12 AWG Q-CABLE	6 AWG BARE COPPER		10.0			FREE AIR	2
2	10 AWG THWN	8 AWG THWN		10.0			3/4" EMT	3
3	2 A <mark>WG</mark> THWN	8 AWG THWN		100.0			1 1/2" EMT	3
	CAL SOLAR NO	TES:	VINALII	M CONTINUE	LIC CLIDD		OLITPLIT AT 25°C AND A	1 A VIN 41 IN 4

VOLTAGE AT 600V; WIRE SHALL BE WET RATED AT 90°C.

EXPOSED PHOTOVOLTAIC SYSTEM CONDUCTORS ON THE ROOF WILL BE USE-2 OR PV TYPE WIRE.

PHOTOVOLTAIC SYSTEM CONDUCTORS SHALL BE IDENTIFIED AND GROUPED. THE MEANS OF IDENTIFICATION SHALL BE PERMITTED BY SEPARATE COLOR-CODING, MARKING TAPE, TAGGING OR OTHER APPROVED MEANS ALL EXTERIOR CONDUIT, FITTINGS, AND BOXES SHALL BE RAIN-TIGHT AND APPROVED FOR USE IN WET

LOCATIONS. (CEC314.15)
 WHERE CONDUCTORS ARE INSTALLED UNDERGROUND, SECTION 300.5 OF THE CEC MUST BE FOLLOWED TO ENSURE PROPER PROTECTION.
 ALL METALLIC RACEWAYS AND EQUIPMENT SHALL BE BONDED AND ELECTRICALLY CONTINUOUS. (CEC 250.90, 250.96)
 WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, CONTRACTOR SHALL SIZE THEM ACCORDING TO APPLICABLE CODES.
 REMOVAL OF A UTILITY-INTERACTIVE INVERTER OR OTHER EQUIPMENT SHALL NOT DISCONNECT THE BUILDING CONNECTION BETWEEN THE GROUNDING ELECTRODE CONDUCTOR AND THE PV SOURCE AND/OR OUTPUT CIRCUIT GROUNDED CONDUCTOR.

GROUND-FAULT PROTECTION DEVICE OR SYSTEM THAT DETECTS A GROUND FAULT, INDICATES THAT FAULT HAS OCCURED, AND AUTOMATICALLY DISCONNECTS ALL CONDUCTORS OR CAUSES THE INVERTER TO AUTOMATICALLY CEASE SUPPLYING POWER TO OUTPUT CIRCUITS. (CEC 690.35(C))

10. FOR UNGROUNDED SYSTEMS, THE INVERTER IS EQUIPPED WITH GROUND FAULT PROTECTION AND A GFI FUSE PORT FOR GROUND FAULT INDICATION.

11. PV MODULE FRAMES SHALL BE BONDED TO RACKING RAIL OR BONDED PER MANUFACTURER'S

FOR GROUNDED SYSTEMS, THE PHOTOVOLTAIC SOURCE AND OUTPUT CIRCUITS SHALL BE PROVIDED WITH A



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PROJECT:

ACCESSORY
DWELLING
UNIT
(TADU-003)
PLAN 3

REVISIONS

NO. DESCRIPTION DATE

CITY USE ONLY

DRAWING TITLE:

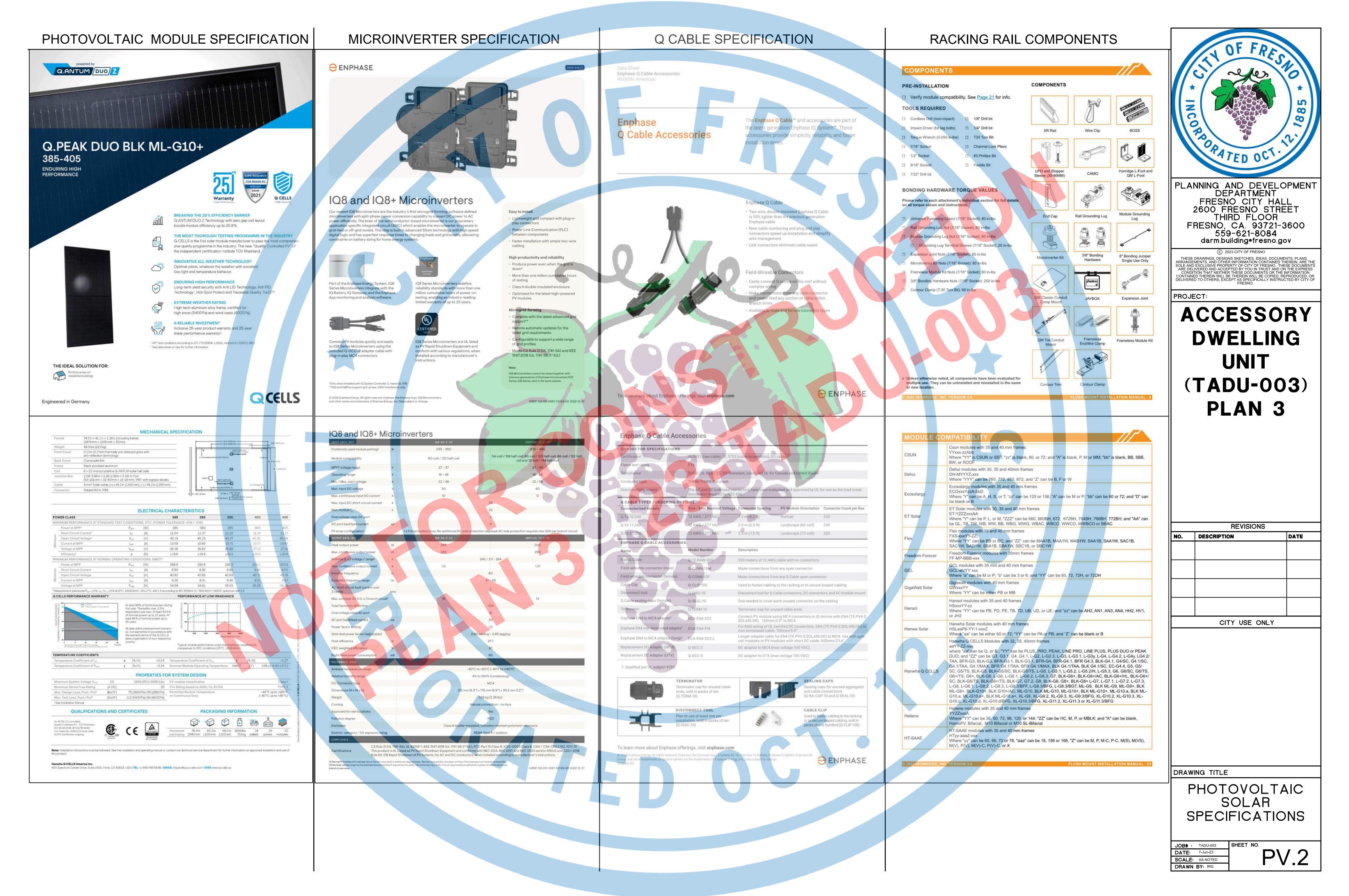
PHOTOVOLTAIC SOLAR PLANS

JOB# : TADU-003

DATE: 13-Jul-23

SCALE: AS NOTED

PV.1



RACKING RAIL AND ATTACHMENT SPECIFICATION //A IRONRIDGE IRONRIDGE System Diagram // IRONRIDGE FlashVue® Installation GripCap+® XR10® Rail Tools Required: tape measure, chalk, approved sealing materials, driver with 1/4" bit and 7/16" hex socke See Description / Length Slide flashing between 1st and 2nd course, so the top is Locate rafters and snap vertical and horizontal at least 3/4" above the edge of the 3rd course and the lines to mark locations of flashings. Drill 1/4" pilot bottom is above the edge of the 1st course. Line up pilot holes, then fill with roofing manufacturer's approved DESCRIPTION BOLT, LAG 5/16 X 4.25" WASHER, EPDM BACKED FM FLASHING, MILL OR BLACK GRIP CAP, MILL OR BLACK **FLASHVUE** UFO (Stopper Sleeve ● Grounding Lug □ BOSS Splice ☐ Ground Wire Insert lag bolt with EPDM backed washer through FV-01-M1 FLASHING, FLASHFOOT, MILL Press Grip Cap onto flashing in desired orientation Q Approved Enphase microinverters can provide equipment grounding of IronRidge systems, eliminating the need for flashing. Tighten lag bolt until fully seated. FV-01-B1 FLASHING, FLASHFOOT, BLACK grounding lugs and field installed equipment ground conductors (EGC). A minimum of two microinverters mounted to the FlashVue is now installed and ready for IronRidge same rail and connected to the same Engage cable is required. Refer to installation manuals for additional details. 1) BOLT, LAG 5/16 x 4.25" Structural Certification **UL Certification** Designed and Certified for Compliance with the national Building Code & ASCE/SEI-7. The IronRidge® Flush Mount®, Tilt Mount®, and Ground Mount XR Rails® Systems have been listed to UL UFO®/Stopper Water Sealing Tested to UL 441 Section 27 2703 by Intertek Group plc. "Rain Test" and TAS 100(A)-95 "Wind Driven Rain Test" by Intertek. Tested and evaluated UL 2703 is the standard for evaluating solar mounting systems. It ensures these devices will maintain strong electrical and rechanical connections over 1 per Array without sealant. Any roofing manufacturer 7/16" Head ---approved sealant is allowed. Attach rails to either side of the open slot using GRIPCAP+® FLASHVUE® 300 Series Stainless Steel bonding hardware. Level rail at desired height, then torque to 250 in-lbs (21 ft-lbs). Conforms to UL 2703 (2015) Mechanical and WASHER, EPDM BACKED, 5/16" an extended period of time in DO NOT SCALE DRAWING Finish Bonding requirements. See Ironridge Flush ASSY, GRIPCAP+ Mount Installation Manual for full ratings. FV-01-MAN REV 1.11 // IRONRIDGE FlashVue® IRONRIDGE IRONRIDGE XR Rail® Family Universal Fastening Object® 2) Washer, EPDM Backed Tools Required: FlashVue® Flashing and Lag, tape measure, chalk, approved sealing materials, driver with 1/4" bit and 7/16" hex socket Moving Flashing Forward Material 300 Series Stainless Steel We set out to design a flashing that checked all the boxes: fully waterproof, fast and easy to install correctly, economical, and strong enough to handle Over their lifetime, solar panels experience countless Clear extreme weather events. Not just the worst storms in years, but the worst storms in 40 years. High winds capable of every environmental condition. FlashVue® does it ripping panels from a roof, and snowfalls weighing ough to buckle a panel frame. 3) Grip Cap The optimized flashing design features a large Rails® are the structural backbone viewport, for easy alignment with the pilot hole. And eventing these results. They resist uplift the GripCap® and GripCap+® sit snugly in place, so otect against buckling and safely UNIVERSAL FASTENING OBJECT* the lag can be driven single-handedly. Locate rafters and snap vertical and horizontal lines Slide flashing between 1st and 2nd course, so the top is ilding structure. Their superior at least 3/4" above the edge of the 3rd course and the to mark locations of flashings. Drill 1/4" pilot holes. panning capability requires fewer bottom is above the edge of the 1st course. Line up pilot then backfill with roofing manufacturer's approved roof attachments, reducing the number of roof penetrations Three-Tier Water Seal, Reimagined FlashVue®'s seal architecture utilizes three layers of protection. The viewport is elevated 0.30", and provides a "friction-fit" for the GripCap®. The GripCap® fully covers the viewport while a sealing washer adds another layer of protection. And an EPDM washer and lag bolt "seal the deal" in the DESCRIPTION UNIVERSAL MODULE CLAMP, CLEAR UFO-CL-01-B1 UNIVERSAL MODULE CLAMP, BLACK Value Aluminum Mill/Black Insert Lag Bolt through Cap and flashing. Tighte lag bolt until fully seated. FlashVue with GripCap 4) FM Flashing is now installed and ready for IronRidge® XR Rails may be required to loosen an already installed adjacent GripCap®. Be sure to replace washer with new provided washer and refill pilot hole with sealant. − Ø1.12 esigned and Certified for Compliance with the nternational Building Code & ASCE/SE Water Sealing Tested to UL 441 Section 27 "Rain Test" and TAS 100(A)-95 "Wind Driver Rain Test" by Intertek. Tested and evaluated without sealant. Any roofing manufacturer Corrosion-Resistant Materials Compatible with Flat & Pitched Roofs arge Viewport in Flashing pproved sealant is allowed. Material Attach rails to either side of the open slot usi Finish bonding hardware. Level rail at desired heig Conforms to UL 2703 Mechanical and Bondin then torque to 250 in-lbs (21 ft-lbs). quirements. See Ironridge Flush Mount stallation Manual for full ratings. UFO° Family of Components // IRONRIDGE FLASHVUE® IRONRIDGE // IRONRIDGE Stopper Sleeve® See Your Pilot Holes XR Rail® Family The XR Rail® Family offers the strength of a curved rail in three targeted sizes. Each size supports specific design loads, while minimizing material costs. Depending on your location, there is an XR Rail® to match. Simplified Grounding for Every Application _THIS EDGE TOWARDS ROOF RIDGE directly to IronRidge® XR Rails®. All system types that feature the UFO® family—Flush Mount®, Tilt Mount® and Ground Mount®—are fully listed to the UL 2703 standard. UFO® hardware forms secure electrical bonds with both the module and the rail, resulting in many parallel grounding paths throughout the system. This leads to safer and more Only for installation and use with IronRidge products in accord with written instructions. See IronRidge.com/UFO COMPONENT ITEM NO. Universal Fastening Object (UFO®) can fit a wide range of module heights. The table below was prepared in compliance with applicable engineering codes and standards.* Values are based on the following criteria: ASCE 7-16, Gable Roof Flush Mount, Roof Zones 1 & 2e, Exposure B, Roof MILL PART NUMBER BLACK PART NUMBER Slope of 8 to 20 degrees and Mean Building Height of 30 ft. Visit IronRidge.com for detailed certification letters. (8.00) UFO-STP-33MM-B1 UFO-STP-35MM-B1 TP-35MM-M1 UFO-STP-38MM-B1 -STP-38MM-M1 UFO-STP-40MM-B1 UFO-STP-42MM-B1 UFO-STP-42MM-M1 **Trusted Strength & Certification** BOSS® Splice Attachment Loading Attachment Loading FlashVue® has been tested and rated to support 1161 (lbs) of uplift and 353 (lbs) of lateral load. Structural Certification Designed and certified for compliance with the International Building Code & ASCE/SEI-7 Value 6000 Series Aluminun See Table 1 DESCRIPTION Water Seal Ratings Passed both the UL 441 Section 27 "Rain Test" and TAS 100-95 "Wind Driven Rain Test" by Intertek. Mill or Black **Bonded Attachments** M FLASHING, MILL OR BLACK FLASHVUE® GRIP CAP, MILL OR BLACK 1.09 LAG & BONDED WASHER, Conforms to UL 2703 mechanical and bonding requirements. See Flush Mount Manual for more info. © 2022 fronRidge, Inc. All rights reserved. Visit www.ironridge.com or call 1-800-227-9523 for more information. FV-01-MAN REV 1.11



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PROJECT:

ACCESSORY DWELLING UNIT (TADU-003) PLAN 3

REVISIONS							
NO.	DESCRIPTION	DATE					
	CITY USE ONLY	I					

DRAWING TITLE

PHOTOVOLTAIC SOLAR SPECIFICATIONS

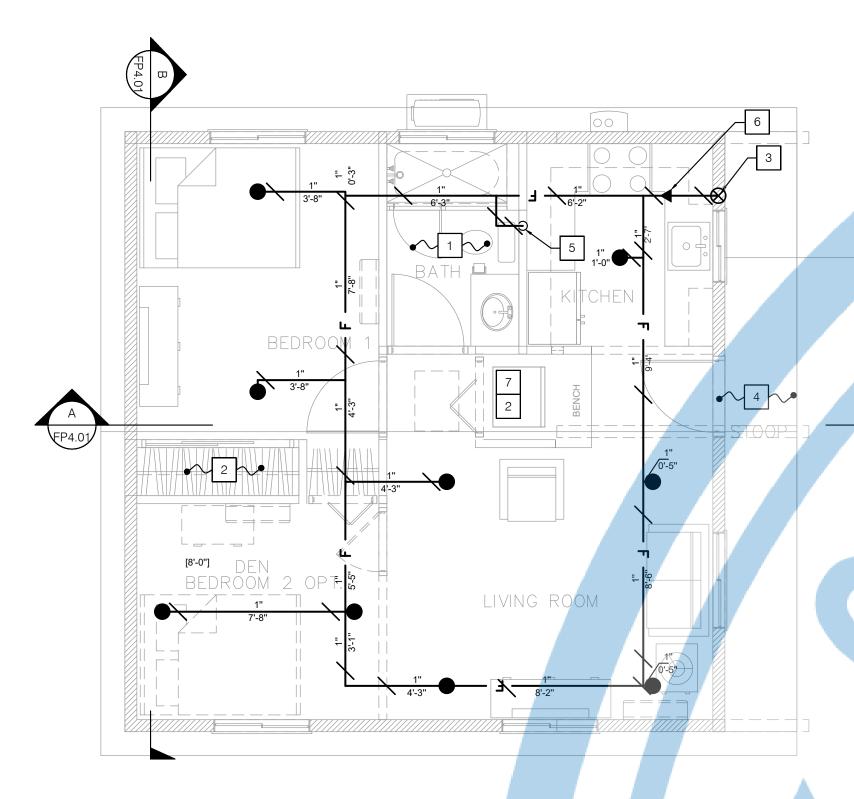
JOB# : TADU-003

DATE: 13-Apr-23

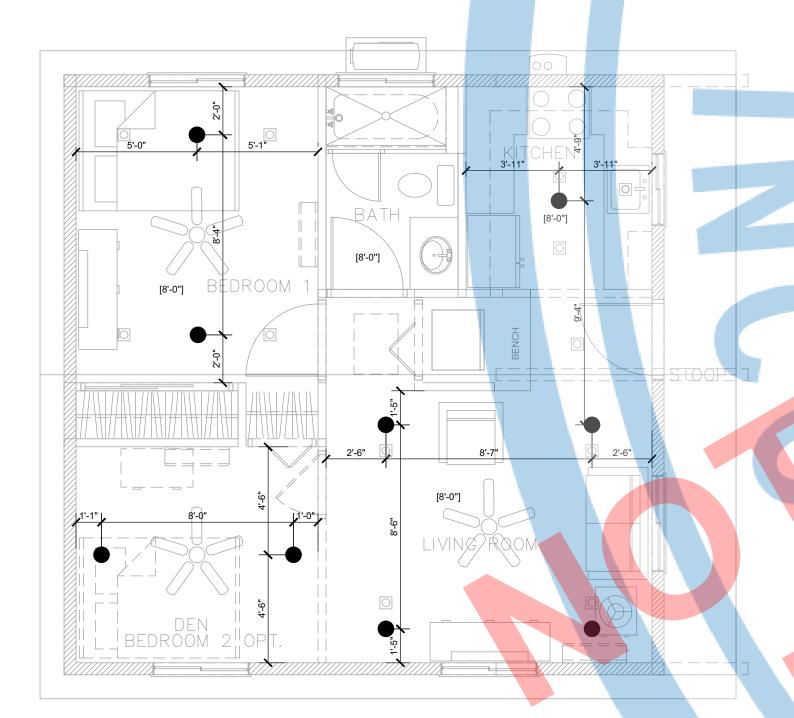
SCALE: AS NOTED

DRAWN BY: IRG

PV.3



SPRINKLER FLOOR PLAN - GABLE/CRAFTSMAN STYLE



SPRINKLER RCP PLAN - GABLE/CRAFTSMAN STYLE

WATER SUPPLY INFORMATION

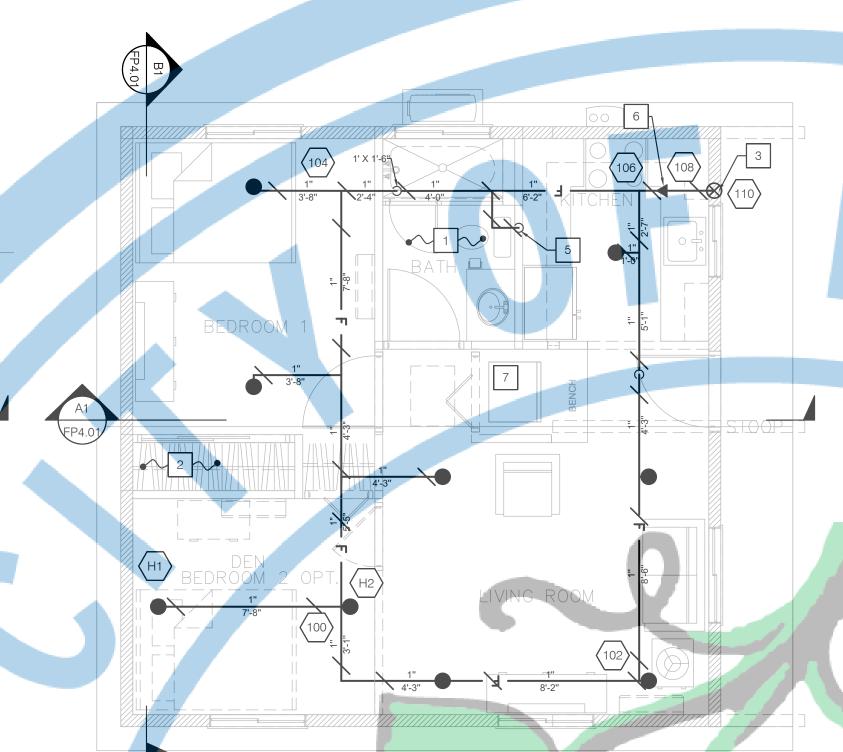
STATIC: 40 PSI RESIDUAL: 25 PSI FLOW: 1350 GPM

* WATER SUPPLY INFO PROVIDED BY CITY OF FRESNO AS MINIMUM EXPECTED PRESSURE & FLOW. CONTRACTOR TO CONFIRM THE SITE SPECIFIC WATER SUPPLY MEETS OR EXCEEDS THE SUPPLY SHOWN ABOVE*

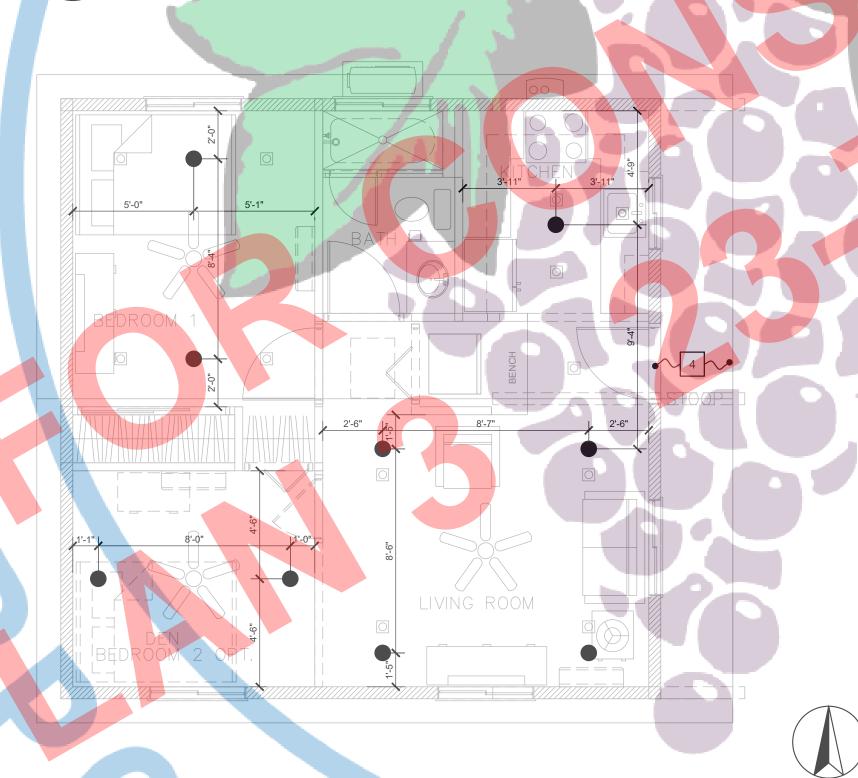
APPROVED FOR MIN 1 INCH PUBLIC WATER SERVICE AND METER IN COPPER PIPE

SPRINKLER HEAD SCHEDULE AND LEGEND								
BOL	LOCATION	MANUFACTURER	SIN	K-FACTOR	TEMP.	FINISH	THREAD SIZE	COMMENTS
	GYP. BOARD/	SENJU	SS8261	3.7	162°	WHITE	1/2"	FLAT CONCEALED PENDENT

* FRESNO FD APPROVED EQUIVALENT SPRINKLERS MAY BE USED



SPRINKLER FLOOR PLAN - CONTEMPORARY STYLE



SPRINKLER RCP PLAN - CONTEMPORARY STYLE

GENERAL NOTES

- A.- THE SYSTEM IS A "STANDALONE SYSTEM WITH PASSIVE PURGE B.- CPVC HANGERS SHALL BE IN ACCORDANCE WITH FRESNO FD
- POLICY #405.020 SPARE HEAD KITS AND WRENCHES SHALL BE INSTALLED INSIDE
- ALL NEW ADUS PER FRESNO FD FIRE INDUSTRY BULLETIN 2015-002. MINIMUM OF ONE (1) SPARE SPRINKLER HEAD FOR EACH TYPE, TEMPERATURE RATING AND/OR ORIFICE SIZE.

PROJECT SCOPE

INSTALLATION OF A NEW FIRE SPRINKLER SYSTEM IN NEW RESIDENTIAL ADU IN LEAD-IN AT THE TOP OF RISER. REFER DETAIL 2/FP6.02 ACCORDANCE WITH 2022 NFPA 13D.

NOTES

- 1 SPRINKLER OMMITTED PER 2022 NFPA 13D, SECTION 8.3.2 2 SPRINKLER OMITTED PER 2022 NFPA 13D, SECTION 8.3.3
- STANDALONE SYSTEM RISER. SEE DETAIL 2/FP6.02
- SPRINKLER OMMITTED PER 2022 NFPA 13D, SECTION 8.3.4 1/2" NPT CAPPED CONNECTION FOR PASSIVE PURGE PER NFPA 13D 7.8.3.PLUMBING CONTRACTOR TO MAKE THE
- FINAL CONNECTION TO THE W.C. CONTRACTOR TO PROVIDE A MINIMUM 2'-0" HORIZONTAL FOR SIZE OF LEAD-IN

GENERAL NOTES

- THE FIRE PROTECTION SYSTEM IS ON A DEFFERED APPROVAL BASIS. THE SUCCESSFUL C-16 LICENSED CONTRACTOR SHALL COORDINATE WITH MECHANICAL ENGINEER & ARCHITECT, DESIGN AND INSTALL FIRE SPRINKLER SYSTEM FOR ALL CONCEALED AND UNCONCEALED AREAS OF THE BUILDINGS AS REQUIRED.
- CONTRACTOR SHALL INSTALL, ROUTE AND SUPPORT AUTOMATIC SPRINKLER SYSTEM PER REQUIREMENTS OF THE CURRENT NATIONAL FIRE PROTECTION ASSOCIATION CODE (NFPA), 2022 NFPA 13D, CALIFORNIA BUILDING CODE / CALIFORNIA FIRE CODE (CBC/CFC) CHAPTER 9, CALIFORNIA MECHANICAL CODE (CMC) AND INSURANCES UNDER WRITER'S REQUIREMENTS.
- THE DESIGN COORDINATION AND APPROVALS OF ALL MAINS AND BRANCHES LINES TO SERVE SPRINKLERS SHALL BE DONE BY A LICENSED FIRE PROTECTION CONTRACTOR.
- SUBMIT SHOP DRAWINGS FOR APPROVAL. SHOP DRAWINGS SHALL BE APPROVED BY THE CITY OF FRESNO PLAN CHECK DEPARTMENT PRIOR TO COMMENCING.
- LOCATION OF SPRINKLER HEADS SHALL BE DONE BY THE FIRE PROTECTION CONTRACTOR USING THE CRITERIA AS NOTED BELOW:
- IN LOCATIONS WITH SUSPENDED CEILING, THE SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF THE INDIVIDUAL CEILING TILES. THE SPRINKLER HEADS PATTERN SHALL BE SYMMETRICAL ABOUT ROOM CENTER LINES AS MUCH AS POSSIBLE.
- B. IN LOCATIONS WITH PLASTERED OR GYPSUM BOARD CEILINGS, THE SPRINKLE HEAD PATTERN SHALL BE SYMMETRICAL ABOUT ROOM CENTER LINES AS MUCH AS POSSIBLE.
- C. FOR LOCATIONS OF CEILING TILES, DIFFUSERS AND LIGHTS, SEE ARCHITECTURAL REFLECTED CEILING PLANS.
- ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF NEW CONSTRUCTION SHALL BEAR AN UNDERWRITERS LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- NO HOLES SHALL BE DRILLED OR CUT IN OR THROUGH ANY STRUCTURAL ELEMENT WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND THE STRUCTURAL ENGINEER.
- SLEEVE AND GROUT ALL PIPE PENETRATIONS THROUGH FLOORS OR WALLS UNLESS. PENETRATION IS FIRE RATED. WHEN PENETRATING A FIRE RATED FLOOR OR WALL, USE SLEEVE WITH 1" MIN. ANNULAR SPACE AROUND PIPE O.D. FILL ANNULAR SPACE WITH FIBERGLASS FILL TO 1" FROM END OF SLEEVE. ADD APPROVED FIRE PROOF SEALANT FOR THE HOUR RATING OF THE FLOOR OR WALL PENETRATION IN THE REMAINING SPACE.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED TEMPORARY AND PERMANENT PERMITS, INCLUDING LICENSES, CERTIFICATES, INSPECTIONS AND TESTS.
- 10. ALL PIPE PENETRATION THRU WALLS, RATED OR OTHERWISE SHALL BE COVERED WITH A SPLIT ESCUTCHEON PLATE.
- FIELD OBSERVATION AND SUPPORT SERVICES PERFORMED BY THE ENGINEER PRIOR TO, DURING, OR AFTER CONSTRUCTION IS PERFORMED FOR THE PURPOSE OF CHIEVING QUALITY CONTROL AND SHALL NOT BE CONSTRUED AS SUPERVISION OF
- PHASING: ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH GENERAL CONTRACTOR CONSTRUCTION SCHEDULE AND BASED UPON MINIMIZING DISRUPTIONS TO EXISTING OPERATION. PHASING SHALL BE APPROVED BY ARCHITECT PRIOR TO CONSTRUCTION OR DEMOLITION.
- ALL DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR PROMPT DAILY REMOVAL FROM THE SITE. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE RESULTING FROM THE WORK AT THE CONCLUSION OF THE DAY'S CONSTRUCTION. THE AREA OF THE SITE SHALL BE LEFT BROOM CLEAN. IF NOT, UPON NOTIFICATION, THE GENERAL CONTRACTOR WILL PERFORM ALL NECESSARY CLEAN-UP WORK AND BACK CHARGE THE SUB CONTRACTOR FOR THE EXPENSE THUS INCURRED.
- ALL DEVICES AND COMPONENTS TO BE EITHER LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY FOR FIRE PROTECTION SERVICE OR APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 15. FITTINGS FOR HOLE-CUT CONNECTIONS, SUCH AS VICTAULIC "HOOKER" OR EQUIVALENT, ARE NOT ACCEPTABLE AND SHALL NOT BE USED.
- 16. ALL CONTROL VALVES AND DRAIN VALVES SHALL HAVE A SIGN AFFIXED FOR
- ALL ABOVE GROUND PIPING SHALL COMPLY WITH THE MATERIALS LISTED PER NFPA 13D Ed. 2022 TABLE 5.2.2.
- 18. ALL FITTING MATERIALS SHALL COMPLY WITH THE MATERIALS LISTED PER NFPA 13D Ed.
- 19. ALL TOILETS SHALL BE EQUIPPED WITH A PASSIVE PURGE.

IDENTIFICATION.

- 20. OBTAIN PERMIT FROM THE FIRE PREVENTION DIVISION FOR THE INSTALLATION OR MODIFICATION OF FIRE SPRINKLER SYSTEM.
- A COPY OF THE APPROVED PLAN SET SHALL BE ON SITE DURING ANY FIRE DEPARTMENT INSPECTION.
- 22. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE WORK AVAILABLE FOR INSPECTION.
- B. MATERIALS FOR THE BUILDING WATER PIPING AND BUILDING SUPPLY PIPING SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS REFERENCED IN CALIFORNIA PLUMBING CODE, TABLE 604.1. GALVANIZED MALLEABLE IRON, GALVANIZED WROUGHT IRON OR GALVANIZED STEEL ARE PROHIBITED MATERIALS FOR USE BOTH UNDERGROUND AND IN BUILDINGS.
- HYDRAULIC CALCULATIONS SHALL NOT BE REQUIRED PER FRESNO FIRE DEPARTMENT IF THE ACTUAL WATER SUPPLY IS GREATER OR EQUAL TO THE WATER SUPPLY DATA SHOWN ON THIS SHEET.

SHEET INDEX

FP6.02

LOOR PLAN

FLOOR PLAN

DETAILS

DETAILS

OVIDE SPARE HEAD CABINET IN CLOSET OR OTHER	SHEET
PROVED LOCATION. SEE NOTE C ON THIS SHEET.	FP2.10 FP4.01
	FP4.01 FP6.01

BUILDING DESIGN INFORMATION

BUILDING DESIGN INFORMATION: -BUILDING OCCUPANCY= R3 -CONSTRUCTION TYPE = TYPE V-B -BUILDING HEIGHT = SEE PLANS

-BUILDING AREA = 625 SF -GOVERNING FIRE CODE= 2022 CFC

SPRINKLER DESIGN CRITERIA -CLASSIFICATION OF OCCUPANCY= RESIDENTIAL -DESIGN DENSITY= 0.05 GPM/SQ.FT. -DEFLECTOR DISTANCE = 2 IN. MAX -HEAD SPACING= 14 FT. MAX

ABBREVIATIONS

ABBREVIATION DESCRIPTION

- ABOVE FINISHING FLOOR **BUTTERFLY VALVE** XISTING
- POST INDICATOR VALVE POINT OF CONNECTION POLYVINYL CHLORIDE UNDERGROUND WATER SERVICE PIPING
- IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

LEGEND

NOTE CALLOUT

PLUMBING CONTRACTOR



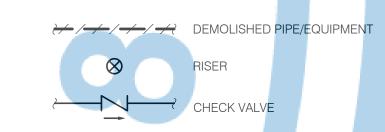
[11'-0"]

NODE USED IN CALCULATION





CEILING HEIGHT



PENDENT SPRINKLER PIPE HANGER ELBOW FACING AWAY FROM VIEWER —O ELBOW FACING TOWARD VIEWER

→ TEE FACING AWAY FROM VIEWER

MINIMUM DISTANCES FOR ORDINARY AND INTERMEDIATE TEMPERATURE RESIDENTIAL SPRINKLERS

TEE FACING TOWARD VIEWER

FROM EDGE OF SOURCE TO FROM EDGE OF SOURCE

	ORDINARY TEMPERATURE SPRINKLER	TO INTERMEDIATE TEMPERATURE SPRINK
	in.	in.
SIDE OF OPEN OR RECESSED FIREPLACE	36	12
FRONT OF RECESSED FIREPLACE	60	36
COAL- OR WOOD-BURNING STOVE	42	12
KITCHEN RANGE	18	9
WALL OVEN	18	9
HOT AIR FLUES	18	9
UNINSULATED HEAT DUCTS	18	9
UNINSULATED HOT WATER PIPES	12	6
SIDE OF CEILING- OR WALL-MOUNTED HOT AIR DIFFUSERS	24	12
FRONT OF WALL-MOUNTED HOT AIR DIFFUSERS	36	18
HOT WATER HEATER OR FURNANCE	6	3
LIGHT FIXTURE		
0 W-250 W	6	3
250 W-499 W	12	6



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ACCESSOR DWELLING

CONDITIONS OF FFD APPROVAL:

NO FINAL WILL BE GRANTED UNLESS WORK IS IN COMPLETE CONFORMANCE WITH ALL APPLICABLE LAWS, CODES, ORDINANCES, STANDARDS AND POLICIES.

FFD WILL NOT FINAL ANY BUILDING WITHOUT APPROVED PLANS WHICH REFLECT THE ACTUAL SYSTEM INSTALLATION IF FIELD CHANGES BECOME NECESSARY, NEW ADDENDUM PLANS MUST BE SUBMITTED, REVIEWED AND APPROVED PRIOR TO FFD ISSUING A BUILDING FINAL. IT IS THE CONTRACTORS RESPONSIBILITY TO SUBMIT ADDENDUM PLANS AND OBTAIN APPROVAL FOR CHANGES PRIOR TO REQUESTING A FINAL INSPECTION (CFC 105.4.5).

A COMPLETE | PERLERSIZED, PHYSICAL COPY OF FALL PLAN DOCUMENTS (INCL. CALCS, MANF. SHEETS, ETC. SHALL BE MAINTAINED ON SITE AT ALL TIMES.

IT IS THE CONTRACTOR'S OBLIGATION TO COMPLY WITH ALL FFD CONDITIONS OF APPROVAL & APPLICABLE LAWS. CODES, ORDINANCES AND ADOPTED REFERENCED STANDARDS PRIOR TO REQUESTING A FIRE FINAL.

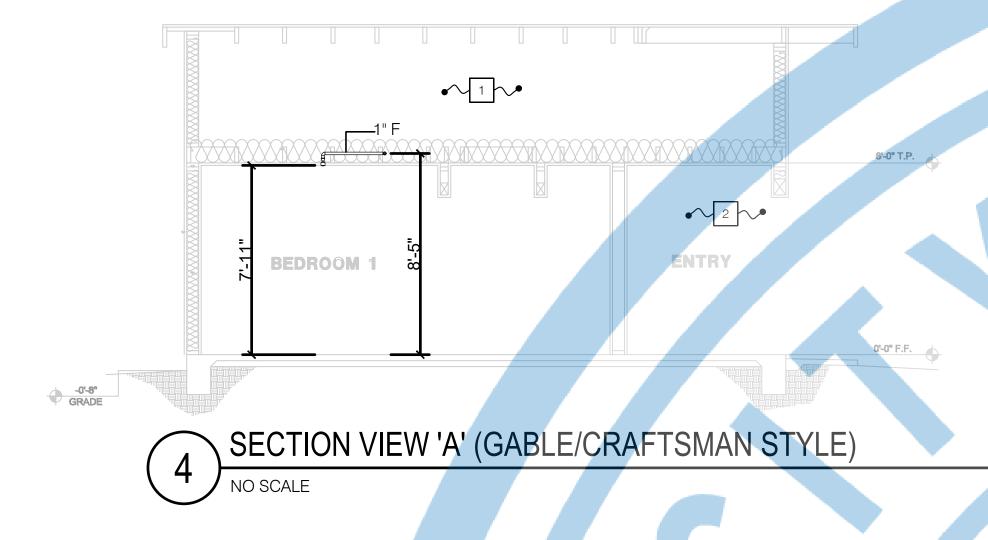
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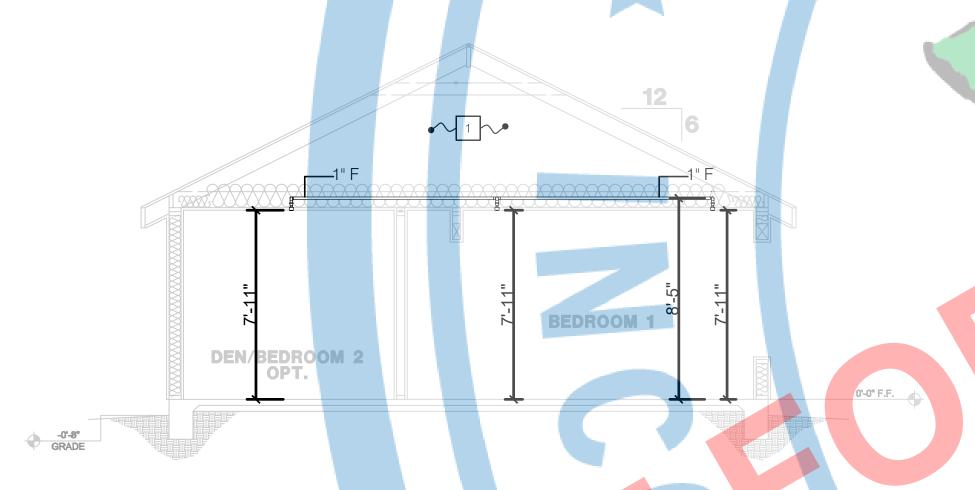
DRAWING TITLE:

FLOOR PLAN

DATE: 21-Sep-23

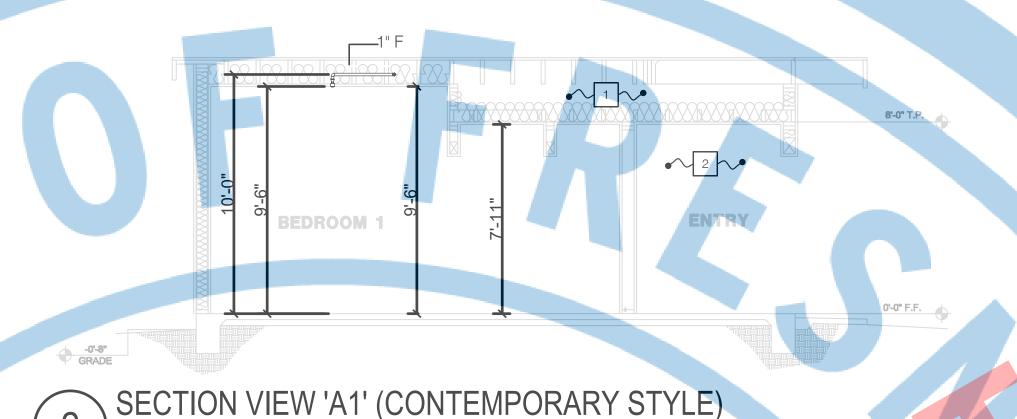
FP2.10 SCALE: AS NOTED DRAWN BY: IRG





SECTION VIEW 'B' (GABLE/CRAFTSMAN STYLE)

NO SCALE



BEDROOM 2 BEDROOM 2 BEDROOM 8-8-8

SECTION VIEW 'B1' (CONTEMPORARY STYLE)

NOTES

SPRINKLERS OMMITTED PER 2022 NFPA 13D, SECTION 8.3.5.

2 SPRINKLERS OMMITTED PER 2022 NFPA 13D, SECTION 8.3.4.



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ACCESSORY
DWELLING
UNIT
(TADU-003)
PLAN 3

	REVISION	S
NO.	DESCRIPTION	DATE

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SECTIONS

JOB#: TADU-003
DATE: 21-Sep-23
SCALE: AS NOTED
DRAWN BY: IRG

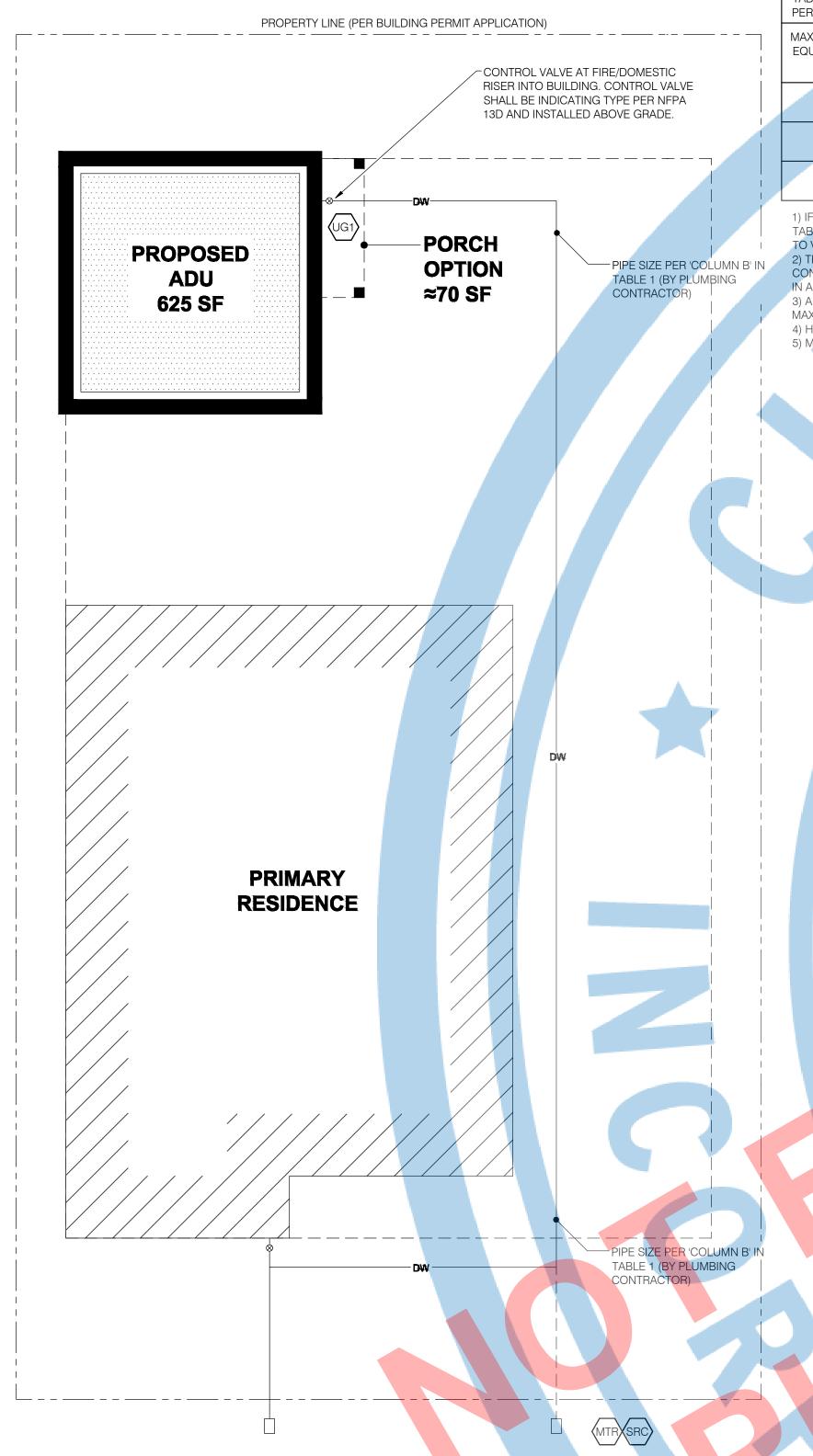
CONDITIONS OF FFD APPROVAL:

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A COMPLETE, FULL SIZED, PHYSICAL COPY OF ALL PLAN DOCUMENTS (INCL. CALCS, MANF. SHEETS, ETC. SHALL BE MAINTAINED ON SITE AT ALL TIMES.

IT IS THE CONTRACTOR'S OBLIGATION TO COMPLY WITH ALL FFD CONDITIONS OF APPROVAL & APPLICABLE LAWS, CODES, ORDINANCES AND ADOPTED REFERENCED STANDARDS PRIOR TO REQUESTING A FIRE FINAL.



STREET (PER LOT SPECIFIC BUILDING PERMIT APPLICATION)

CONNECTION TO CITY WATER SERVICE

THIS SITE PLAN IS SHOWN FOR REFERENCE ONLY. REFER TO SHEET

NOTE:

NO SCALE

T.1 FOR THIS SCOPE OF WORK

	and the second s	
TABLE 1 - PIPE SIZE FOR RISER LEAD PER LENGTH OF SUPPLY PIPE	D-IN. RISER AND COM	MON SUPPLY PIPE
MAXIMUM LENGTH OF SUPPLY IN EQUIVALENT SCHEDULE 40 PIPE (SEE NOTES 2,3)	COLUMN A (IN.) (SEE NOTE 4)	COLUMN B (IN.) (SEE NOTE 5)
150 FT	1-1/4"	1-1/4"
350 FT	1-1/4"	1-1/2"
600 FT	1-1/2"	2"

1) IF THE TOTAL LENGTH OF SUPPLY PIPE EXCEEDS THE VALUES IN THIS TABLE, HOMEOWNER SHALL USE A LICENSED SPRINKLER CONTRACTOR TO VERIFY INSTALLATION REQUIREMENTS.

2) THE TOTAL LENGTH OF SUPPLY PIPE SHALL BE MEASURED FROM CONNECTION TO CITY WATER MAIN IN STREET TO FLANGE CONNECTION

3) ALL PIPE, FITTINGS, VALVES AND EQUIPMENT SHALL BE INCLUDED IN MAXIMUM LENGTH PER CHAPTER 10 OF NFPA 13D. 4) HORIZONTAL LEAD-IN MINIMUM PIPE SIZE.
5) MINIMUM PIPE SIZE FOR RISER AND SUPPLY PIPE TO ADU

CONDITIONS OF FFD APPROVAL:

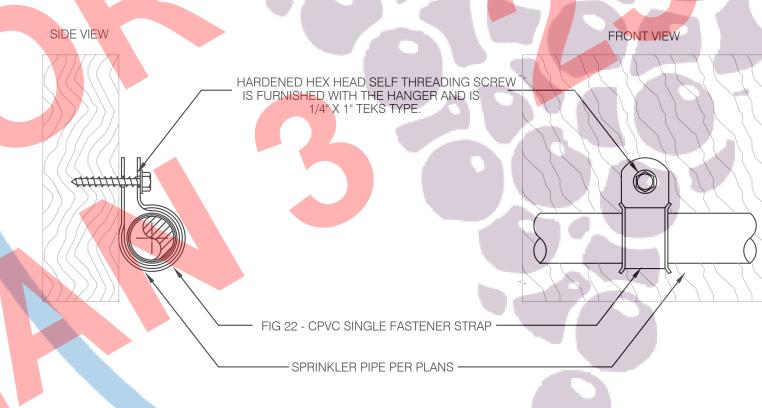
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NOT USED



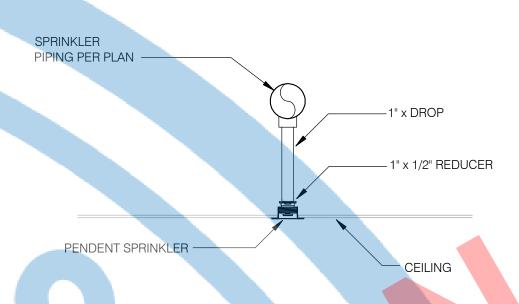
	CPVC	SINGLE	FASTENER	STRAF
in.				

PIPE HANGER	SPACING
PIPE SIZE	MAX. SPACING
1"	6'-0" 6'-6" 7'-0" 8'-0"

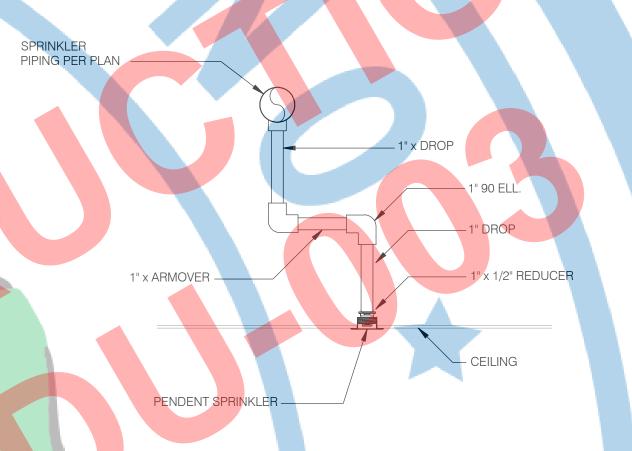
CPVC PIPE HANGER DETAIL - UP TO 2"

NO SCALE

OBSTRUCTION TABLE FOR RESIDENTIAL SPRINKLERS

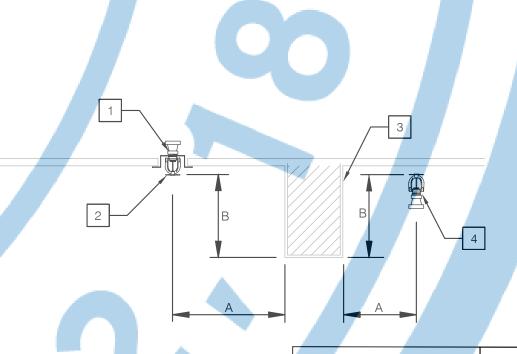


STRAIGHT / DROP CONFIGURATION



ARMOVER/DROP CONFIGURATION

SPRINKLER PIPING DETAILS
NO SCALE



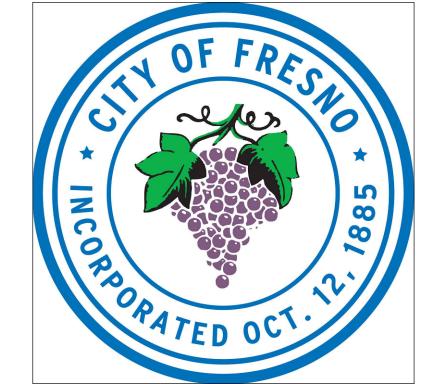
GENERAL NOTE:
NFPA 13D 2022 TABLE 8.2.5.3.2 POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (RESIDENTIAL UPRIGHT AND PENDENT)
NOTES

SPRINKLER PIPE DROP.

3	OBSTRUCTION.	
4	UPRIGHT SPRINI	KLER HEAD.

DISTANCE FROM SPRINKLERS TO SIDE OF OBSTRUCTION (A)	MAX. ALLOWANCE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (IN.) (B)
LESS THAN 1 FT.	0
1'-6" OR MORE	1
3'-0" OR MORE	3
4'-0" OR MORE	5
4'-6" OR MORE	7
6'-0" OR MORE	9
6'-6" OR MORE	11
7'-0" OR MORE	14
8'-0" OR MORE	15
8'-6" OR MORE	17
9'-0" OR MORE	19

SYMBOL SYMBOL



PLANNING AND DEVELOPMENT
DEPARTMENT
FRESNO CITY HALL
2600 FRESNO STREET
THIRD FLOOR
FRESNO, CA. 93721-3600
559-621-8084
darm.building@fresno.gov

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ACCESSOR\

DWELLING

	REVISIONS	
NO.	DESCRIPTION	DATE
	L CITY USE ON	 LY

DRAWING TITLE: DETAILS

JOB#: TADU-003 SHEET NO.

DATE: 21-Sep-23 FP6.01

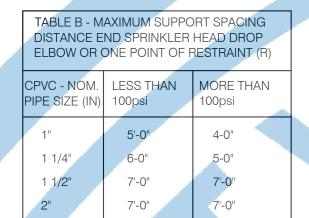
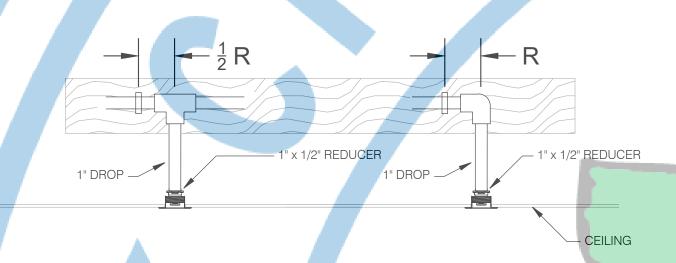
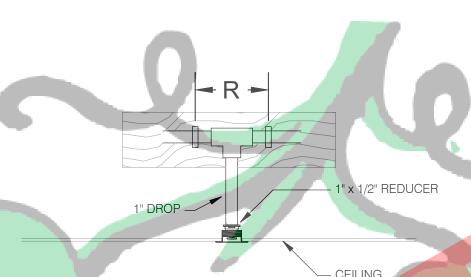


TABLE	A - MA	XIMUM SUPPORT SPACING	
DISTAN	ICE IN	LINE SPRINKLER HEAD DROP	П
TEE OF	TWO	POINTS OF RESTRAINT (R)	

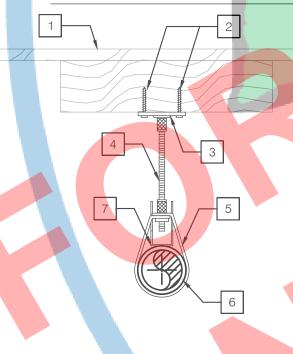
PVC - NOM. PE SIZE (IN)	LESS THAN 100psi	MORE THAN 100psi
1"	5'-0"	4-0"
1 1/4"	6-0"	5-0"
1 1/2"	7'-0"	7'-0"
2"	7'-0"	7'-0"

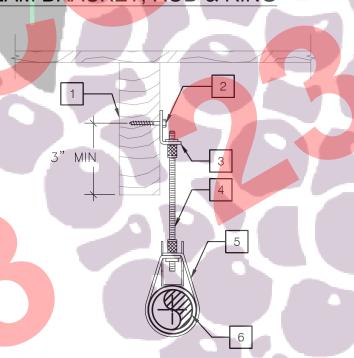




CPVC HANGER SPACING REQUIREMENTS NO SCALE

THREADED CEILING PLATE OR SIDE BEAM BRACKET, ROD & RING





110	T - 0
IVO	

WOOD MEMBER BY STRUCTURAL (TYP).

4 ALL THREADED ROD, TOLCO FIG. 100 (TYP). 7 TOLCO FIG. 25

5 PIPE RING HANGER, TOLCO FIG. 200 (TYP).

2 DRIVE SCREW NO. 18 x 1 ½"

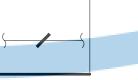
THREADED SIDE BEAM BRACKET, TOLCO FIG 58 (TYP)/
STEEL CEILING PLATE, TOLCO FIG 78 (TYP)

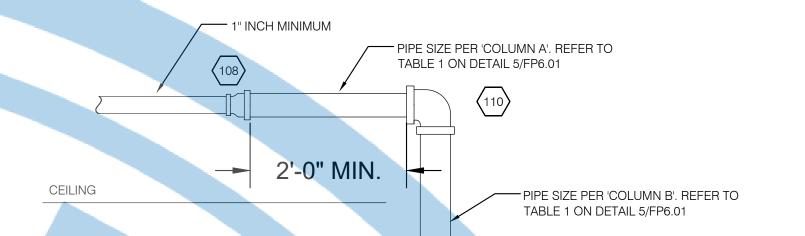
6 SPRINKLER PIPE PER PLAN (TYP).

	SPACING AND SIZES						
	PIPE SIZE	HANGER SPACING *	ROD DIA.	BOLT OR SCREW SIZE			
	1"	6'-0"	3/8"	3/8" x 1-1/2"			
	1 1/4"	6-6"	3/8"	3/8" x 1-1/2"			
	1 1/2"	7'-0"	3/8"	3/8" x 1-1/2"			
	2"	8'-0"	3/8"	3/8" x 1-1/2"			

*TO BE CONFIRMED BY STRUCTURAL ENGINEER









SPRINKLER RISER INTO BUILDING DETAIL NO SCALE

LOCAL WATERFLOW ALARMS SHALL BE PROVIDED ON ALL SPRINKLER

SYSTEMS IN HOMES NOT EQUIPPED WITH SMOKE ALARMS OR SMOKE

DETECTORS IN ACCORDANCE WITH NFPA 72

CONDITIONS OF FFD APPROVAL:

DETAIL 5 ON SHEET FP6.01

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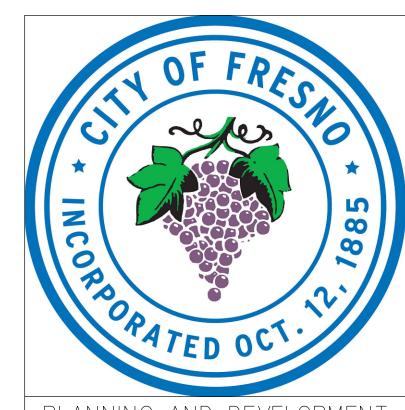
WARNING: The water system for this home supplies fire sprinklers that require certain flows and pressures to fight a fire. Devices that restrict the flow or decrease the pressure or automatically shut off the water to the fire sprinkler system, such as water softeners, filtration systems, and automatic shutoff valves, shall not be added to this system without a review of the fire sprinkler system by a fire protection specialist. Do not remove this sign.

NOTES:

1. LETTERS ON SIGN SHALL BE MINIMUM ¼ INCH.

2. PLACE SIGN ADJACENT TO CONTROL VALVE INTO BUILDING

SHUTOFF WARNING SIGN ABOVE CONTROL VALVE



PLANNING AND DEVELOPMENT
DEPARTMENT
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FRESNO, CA. 93721-3600
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PROJECT:

ACCESSORY
DWELLING
UNIT
(TADU-003)
PLAN 3

	REVISIONS				
NO.	DESCRIPTION	DATE			

CITY USE ONLY

DRAWING	TITLE:
	DETAILS

JOB#: TADU-003
DATE: 21-Sep-23
SCALE: AS NOTED
DRAWN BY: IRG