# HOANG DOAN TERESA HA NGUYEN'S RESIDENCE

657 OVERLAND WAY, SAN JOSE, CA 95111Unit 2

## BEPM #24-103462

STAMPED FROM CITY

**Reviewed for Code Compliance** 

City of San Jose, Building Division

FRANK COZZITORTO, P.E. (408) 535-7669

TOMMY DRAFTING

Date: SEPTEMBER, 2024

Drawn: LUYEN HONG NGUYEN

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## STRUCTURAL GENERAL NOTES

## A. GENERAL

- 1. ALL WORK SHALL CONFORM TO CURRENT 2022 CBC, CBC, CMC, CPC, 2022 NEC, 2022 CEC.LAWS & ORDINENCES
- STRUCTURAL & MECHANICAL DRAWINGS SHALL BE BROUGHT TO THE
- 4. SHOP DRAWINGS REQUIRED BY THE SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION, & ALLOW
- BUILDING DURING THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING & GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDANCES. ANY DEVIATIONS MUST BE APPROVED PRIOR TO ERECTION
- 6. ALL CONDITIONS NOT CLEARLY SHOWN OR DETAILED SHALL BE OF CONDITIONS

## **B. FOUNDATION**

1. FOUNDATION EXCAVATIONS SHALL BE FREE OF LOOSE MATERIAL

- 2. CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK TYPE(150#CF) & AGREGATE SHALL CONFORM TO ASTM C33 U.O.N.
- 3. CEMENT SHALL CONFORM TO ASTM C150, TYPE 1 OR 2.
- 4. PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH ACI 301.
- 5. CONCRETE SHALL BE MACHINE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94. SUBMIT MIX DESIGN TO THE ARCHITECT FOR APPROVAL PRIOR TO PLACING CONCRETE.
- 6. PROVIDE MINIMUM CLEAR COVER OF CONCRETE OVER REINFORCING AS FOLLOWS

## D. REINFORCING STEEL

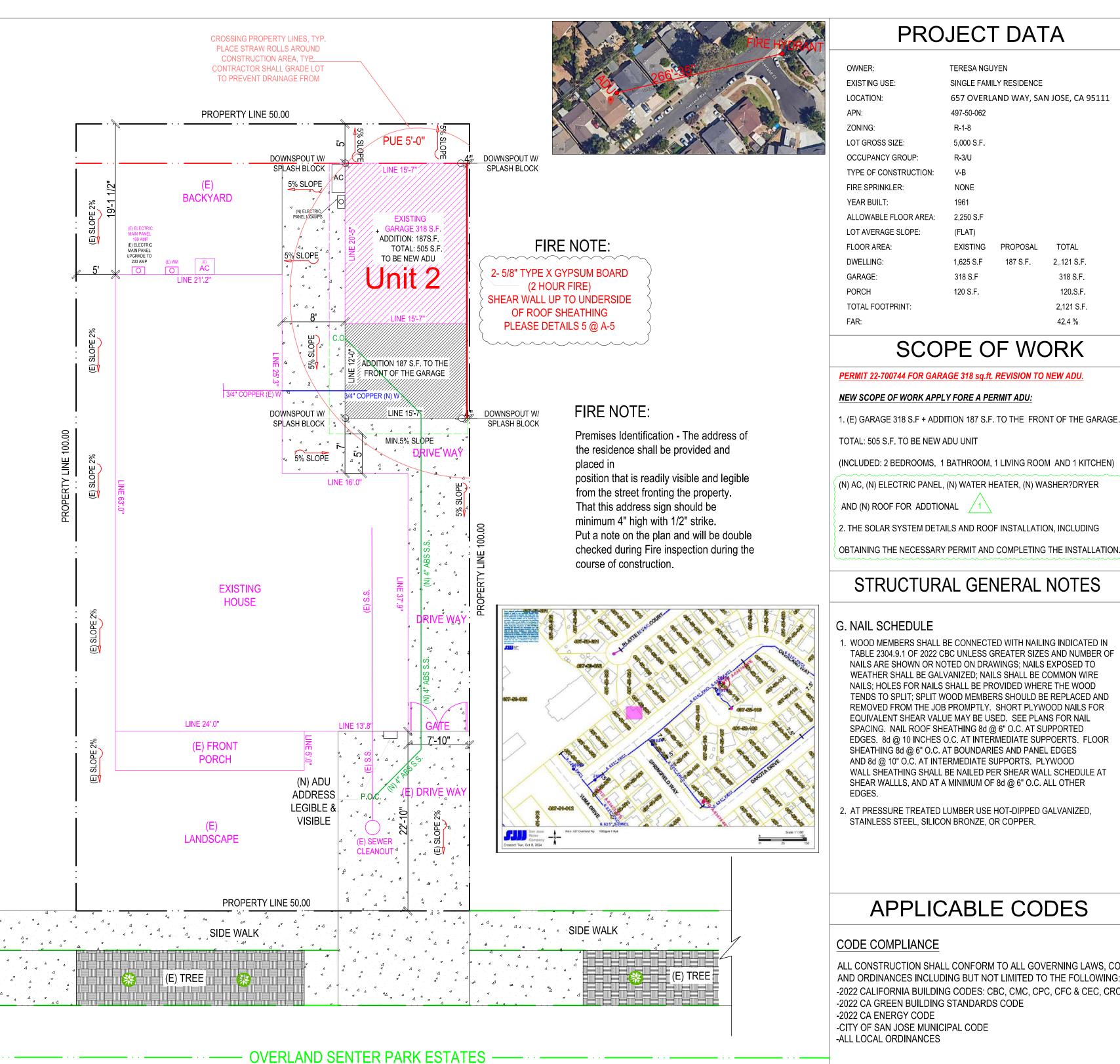
- 1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A615 GRADE 60 FOR #5 AND LARGER BARS AND GRADE 40 FOR #3 & #4.
- 2. ALL REINFORCING STEEL SHALL BE LAPPED AS NOTED BELOW, #4: 24" FOR BOTTOM BARS AND 28" FOR TOP BARS; #5: 30" FOR BOTTOM BARS AND 35" FOR TOP BARS; #6: 40" FOR BOTTOM BARS AND 46" FOR TOP BARS AT SPLICES UNLESS OTHERWISE NOTED ON PLANS. SPLICES SHALL BE LOCATED AS DETERMINED IN THE PLANS. STAGGER ALL LAPS SPLICES.
- 3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A82 AND A185.
- 4. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE BEFORE CONCRETE IS PLACED, USE CYT THREAD ANCHOR BOLTS ONLY.

## E. STRUCTURAL & MISC. STEEL

- 1. FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH LATEST AISC SPECIFICATIONS. STRUCTURAL STEEL SHALL BE ASTM A36, EXCEPT TUBE COLUMNS WHICH ARE ASTM A500, GRADE B.
- 2. WELDING TO BE IN ACCORDANCE WITH AWS SPECIFICATIONS. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS USING
- 3. ALL PLATES, ETC., TO BE BOLTED TO CONCRETE ELEMENTS, SHALL NOT BE FABRICATED UNTIL THE BOLTS HAVE BEEN LOCATED IN THE
- 4. BOLTS SHALL BE ASTM A307 TYPE. THREADS MAY BE INCLUDED IN THE SHEAR PLANES
- 5. STEEL TO BE SHOP PRIMED FOR, EXCEPT WHERE EMBEDDED IN CONCRETE OR TO BE WELDED.
- 6. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY AN INDEPENDENT INSPECTOR APPROVED BY THE BUILDING DEPARTMENT.

## F. WOOD FRAME CONSTRUCTION

- 1. GENERAL WOOD FRAMING: WOOD FRAMING THROUGHOUT THE BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE (2022) CBC ADOPTED BY CSJ AND THE STANDARD PRACTICES RECOMENDED BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND WCLA GRADING. FOR NAILING SEE SECTION J. BOLTS IN WOOD FRAMING SHALL BE STANDARD MACHINE BOLTS WITH STANDARD MALLEABLE IRON WASHERS.
- 3. WOOD PLATES: BEARING DIRECTLY UPON CONCRETE SHALL BE P.T.D.F.
- 4. UNLESS OTHERWISE NOTED ON DRAWINGS OR IN SPECIFICATIONS, FRAMING MEMBERS SHALL HAVE THE FOLLOWING GRADING:



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

## PROJECT DATA **VICINITY MAP** SINGLE FAMILY RESIDENCE EXISTING USE: 657 OVERLAND WAY, SAN JOSE, CA 95111 R-1-8 LOT GROSS SIZE: 5.000 S.F OCCUPANCY GROUP TYPE OF CONSTRUCTION FIRE SPRINKLER: YEAR BUILT: ALLOWABLE FLOOR AREA: LOT AVERAGE SLOPE: FLOOR AREA: EXISTING 318 S.F GARAGE: 318 S.F. 120.S.F. PORCH TOTAL FOOTPRINT 2,121 S.F. SCOPE OF WORK PERMIT 22-700744 FOR GARAGE 318 sq.ft. REVISION TO NEW ADU. NEW SCOPE OF WORK APPLY FORE A PERMIT ADU: (E) GARAGE 318 S.F + ADDITION 187 S.F. TO THE FRONT OF THE GARAGE TOTAL: 505 S.F. TO BE NEW ADU UNIT (INCLUDED: 2 BEDROOMS, 1 BATHROOM, 1 LIVING ROOM AND 1 KITCHEN) (N) AC, (N) ELECTRIC PANEL, (N) WATER HEATER, (N) WASHER?DRYER AND (N) ROOF FOR ADDTIONAL 1 2. THE SOLAR SYSTEM DETAILS AND ROOF INSTALLATION, INCLUDING

#### G. NAIL SCHEDULE SITE PLAN, SUMMARY, NOTES, AREA. WOOD MEMBERS SHALL BE CONNECTED WITH NAILING INDICATED IN PROPOSAL FLOOR AND ELECTRIC PLAN TABLE 2304.9.1 OF 2022 CBC UNLESS GREATER SIZES AND NUMBER OF NAILS ARE SHOWN OR NOTED ON DRAWINGS; NAILS EXPOSED TO **ELEVATIONS PLANS** WEATHER SHALL BE GALVANIZED; NAILS SHALL BE COMMON WIRE NAILS; HOLES FOR NAILS SHALL BE PROVIDED WHERE THE WOOD FOUNDATION PLANS AND DETAILS TENDS TO SPLIT; SPLIT WOOD MEMBERS SHOULD BE REPLACED AND REMOVED FROM THE JOB PROMPTLY. SHORT PLYWOOD NAILS FOR ROOF FRAMING AND DETAILS EQUIVALENT SHEAR VALUE MAY BE USED. SEE PLANS FOR NAIL SPACING. NAIL ROOF SHEATHING 8d @ 6" O.C. AT SUPPORTED T-24 ENERGY REPORT EDGES. 8d @ 10 INCHES O.C. AT INTERMEDIATE SUPPOERTS. FLOOR CG-1 CAL GREEN MANDATORY SHEATHING 8d @ 6" O.C. AT BOUNDARIES AND PANEL EDGES AND 8d @ 10" O.C. AT INTERMEDIATE SUPPORTS. PLYWOOD CG-2 CAL GREEN MANDATORY WALL SHEATHING SHALL BE NAILED PER SHEAR WALL SCHEDULE AT SHEAR WALLLS, AND AT A MINIMUM OF 8d @ 6" O.C. ALL OTHER LOW - RISE - MANDATORY- MEASURES- SUMMARY FASTENING SCHEDULE AT PRESSURE TREATED LUMBER USE HOT-DIPPED GALVANIZED, STAINLESS STEEL, SILICON BRONZE, OR COPPER.

SHEET

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## APPLICABLE CODES STAMPED FROM CITY

## CODE COMPLIANCE

ALL CONSTRUCTION SHALL CONFORM TO ALL GOVERNING LAWS, CODES AND ORDINANCES INCLUDING BUT NOT LIMITED TO THE FOLLOWING: -2022 CALIFORNIA BUILDING CODES: CBC, CMC, CPC, CFC & CEC, CRC. -2022 CA GREEN BUILDING STANDARDS CODE -2022 CA ENERGY CODE -CITY OF SAN JOSE MUNICIPAL CODE -ALL LOCAL ORDINANCES

REVISION 11-22-2024

**AS SHOWN** 

SHEET NO:

## FLOOR PLAN NOTES:

- 1. ALL CONCRETE TO BE POURED ON UNDISTURBED SOIL.
- 2. ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE FOUNDATION GRADE RWD OR PRESSURE TREATED.
- 3. ALL LUMBER USED IN CONSTRUCTION LOCATED NEARER THAN 8" TO EARTH SHALL BE F.G. RWD OR P.T.
- 4. PROVIDE SOLID BLOCKING FOR ALL PONY WALLS LESS THAN 14" HIGH
- 5. PROVIDE FIRESTOPS @ CONCEALED DRAFT OPENING, CEILING LINES, FLOOR LINES, FURRED AREAS, SUSPENDED CEILINGS, STAIR STRINGERS, SHOWERS, CHIMNEY ENCLOSURES, & MID HEIGHT OF WALLS OVER 10' IN HEIGHT.
- 6. VERIFY MIN. 22"x30" FLOOR ACCESS. ATTIC ACCESS WITH 30" CLEARING ABOVE OPENING.
- 7. DOORS, WINDOWS, & SHOWER DOORS WITHIN HAZARDOUS AREAS TO BE TEMPERED.
- 8. ALL POSTS, BEAMS & WALLS SUPPORTING THE FLOOR/ CEILING SHALL HAVE ONE-HOUR FIRE PROTECTION.
- 9. ALL NEW WINDOWS AND GLASS SLIDING DOOR SHALL BE LOW-E DUAL GLAZED U.N.O.
- 10. MATERIAL GRADE STAMPS WILL BE CHECKED ON FRAME INSPECTION.
- 11. ALL CONSTRUCTION SHALL COMPLY WITH THE 2022 EDITION OF THE CBC, CMC, CPC, CEC, CRC AND CFC AND THE 2022 CALIFORNIA ENERGY CODE.
- 12. CHANGES FROM THE APPROVED PLANS DURING CONSTRUCTION OTHER THAN 1.) CABINET CHANGES WHEN NOT BEING SUPPORTED ENTIRELY BY THE ROOF STRUCTURE, APPROVED PLAN, 2.) INTERIOR NON-STRUCTURAL WALL FINISHES; SHALL CAUSE PLAN APPROVAL AND CONSTRUCTION TO BE SUSPENDED. A NEW PLAN CHECK (FOR A NEW PLAN) SHOWING CHANGES WILL BE SUBMITTED FOR REVIEW AND APPROVAL THROUGH THE NORMAL PLAN CHECK PROCESS.
- 13. FIREBLOCKING WITH NON-COMBUSTIBLE MATERIAL SHALL BE PROVIDED IN OPENINGS AROUND VENTS, PIPES, DUCTS, FIREPLACES, AND SIMILAR OPENINGS PER CBC 708.2.1 (4).
- 14. PROVIDE SMOKE DETECTORS (HARDWIRED 110v W/BATT BACK-UP) IN EVERY BEDROOMS, THE HALL WAY TO THE BEDROOM, PROVIDE CARBON MONOXIDE SMOKE ALARM DETECTOR IN ALL SLEEPING ROOM.
- 15. IN EACH NEW BEDROOM, THERE IS AT LEAST ONE WINDOW, FOR EMERGENCY ESCAPE OR RESCUE: REQUIRE OPENING OF MINIMUM NET CLEAR AREA, 5.7 SQ. FT. HEIGHT 24", WIDTH 20", AND MAXIMUM FINISHED OPENING HEIGHT 44"ABOVE FINNISH FLOOR
- 16. NEW 3'X3' MIN, CONCRETE LANDING AT ALL NEW EXTERIOR DOOR. LANDING SHALL NOT BE LOWER THAN 7-1/2" FROM FLOOR LEVEL.
- 17. BATHROOM SLIDING DOOR MUST BE TEMPERED GLASS.
- 18. ALL NEW BEDROOM MUST BE AFCI CIRCUIT.
- 19. PRESSURE OR THERMOSTATIC MIXING VALVE AT THE SHOWERS AND TUBS, WHICH LIMIT WATER TEMPERATURE TO 120 DEGREES F
- 20. THE SHOWERS MUST HAVE INSIDE DEMENSION OF AT LEAST 30 INCHES, THE TOTAL FLOOR AREA OF A SHOWER MUST BE AT LIST 1,024 SQUARE INCHES, OPENING TO SHOWER MUST BE MIN. 24 INCHES WIDE, THE DOOR MUST BE TEMPERED GLASS.(SEE DETAILS)

## ELECTRICAL NOTES:

- MOTION SENSOR WITH INTEGRAL PHOTOCONTROL
- 2. ALL HARDWIRED LIGHTING IN BATHROOMS, GARAGES, LAUNDRY AND UTILITY ROOMS MUST BE HIGH EFFICACY OR CONTROLLED BY A MANUAL-ON MOTION SENSOR
- 3. ALL HARDWIRED LIGHTING IN OTHER ROOMS (HALLWAYS, DINING ROOMS, FAMILY ROOMS AND BEDROOMS) SHALL BE HIGH EFFICACY OR CONTROLLED BY A MANUAL-ON OCCUPANT SENSOR OR A DIMMER MUST CONTROL IT
- 4. ALL SWITCHES ON A MULTIPLE SWITCHED CIRCUIT SHALL BE CONTROLLED BY THE DIMMER SWITCH ON THAT CIRCUIT
- 5. ALL RECESSED FIXTURES SHALL BE LABELED AS BEING CERTIFIED TO HAVE A LEAKAGE RATING OF LESS THAN 2.0 AT 75 PASCAL
- 6. ALL HIGH EFFICACY FIXTURES AND NON-HIGH EFFICACY FIXTURES SHALL BE SWITCHED SEPARATELY
- 7. SMOKE DETECTOR SYSTEM SHALL BE HARD-WIRED, INTERCONNECTED TO SOUND SIMULTANIOUSLY AND EQUIPED WITH BATTERY BACK UP.
- 8. MIN. 50% OF WATTAGE OF LIGHTS IN KITCHEN SHALL BE HIGH EFFICACY AND THOSE THAT ARE NOT SHALL BE SWITCHED SEPARATELY
- 9. LIGHTS MOUNTED TO EXTERIOR OF BUILDING SHALL BE HIGH EFFICACY OR ON A PHOTO CONTROL/MOTION SENSOR COMBINATION

LAMP POWER RATING:	MINIMUM LAMP EFFICACY:
15 watts or less	40 lumens per watt
over 15 watts to 40 watts	50 lumens per watt
over 40 watts	60 lumens per watt

## NOTES:

WATER-RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED WHERE THERE WILL BE DIRECT EXPOSURE TO WATER. OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY . R702.3.7.1 USE CEMENTITIOUS BACKER BOARD OR EQUAL IN ALL WET LOCATIONS.

on plan the fire-resistance-rated floor/ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend from the foundation to the underside of the roof sheathing or rated floor/ceiling

- MIN. SHOWER INTERIOR CLEAR DIMENSION IS 1,024 S.F. IN WITH NO DIMENSION LESS THAN 30" TO FINISH
- BATHROOM DOOR MUST BE TEMPERED CLASS SHOWER AND TUB/SHOWER WALLS TO SPECIFY A SMOOTH, HARD, NONABSORBENT SURFACE(I.E. CERAMIC TILES) OVER MOISTURE RESISTANT
- UNDERLAYMENT(I.E. CEMENT, FIBER-CEMENT OR GLASS MAT GTMSUM BACKERS) TO A HEIGHT OF 72" ABOVE THE DRAIN.

\_\_\_\_ WALL MATERIAL

CERAMIC TILES

— CEMENT BOARD

OR MOTAR BASE

SHOWER PAN LINER TO

EXTEND AT LEAST 3"

ABOVE CURD

MIN,SLOPE=1/4":12"

MOTAR BED-/ SHOWER PAN LINES ON -

MIN. 1/4:12: TO DRAIN

1 N.T.S.

MOTAR BED-SLOPE LINES

MAX.SLOPE=1/ 2":12"

 WATER PROOF MEMBRANE

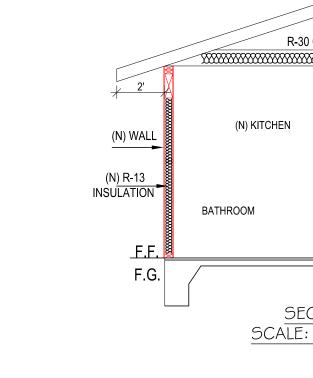
- on plan the fire-resistance-rated floor/ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend from the foundation to the underside of the roof sheathing or rated floor/ceiling
- LANDING SHALL NOT BE MORE THAN 7.75 INCHES BELOW THE TOP OF THE THRESHOLD. CRC.SR311.3.1

RUN SHOWER PAN

LINER UP AND

OVER CURB

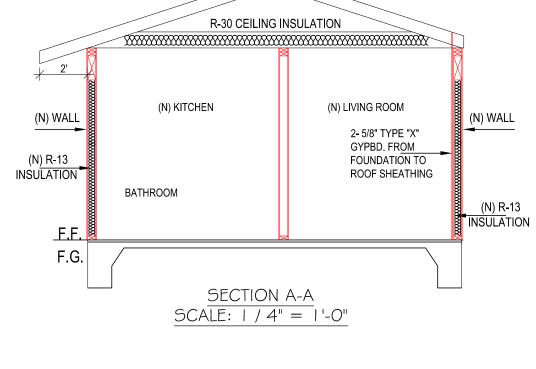
SHOWER DRAIN W/ SUB-DRAIN

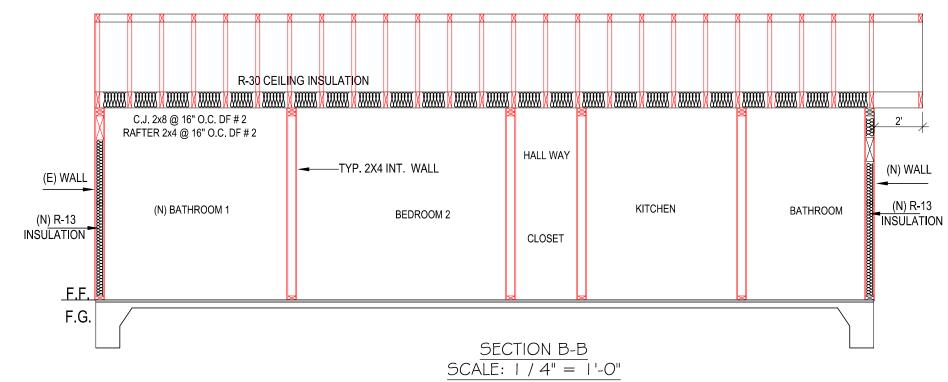


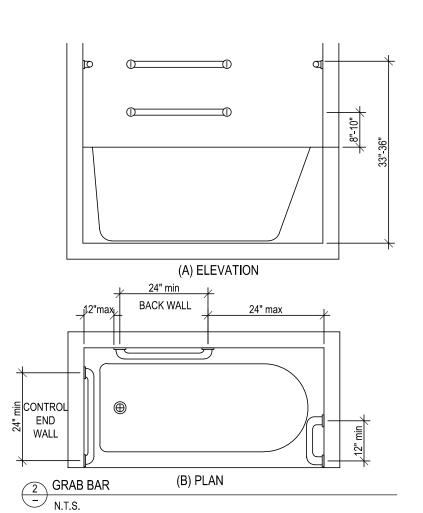
1. Toilet • Max flow rate: 1.28 GPF (Gallons per flush) • Code: CPC 403.2.1 2. Kitchen Faucet • Max flow rate: 1.8 GPM (Gallons per minute) • Code CPC 407.2.1.1 3. Residential Lavatory Faucet • Max flow rate: 1.2 GPM • Code: CPC 407.2.1.1 4. Shower Head • Max flow rate: 1.8 GPM • Code: CPC 408.2 R-30 CEILING INSULATION

Water Fixture Flow Rate Requirements (Water Conservation) Note: All plumbing fixtures must meet the

maximum flow rates below to comply with California Plumbing Code (CPC) water conservation standards



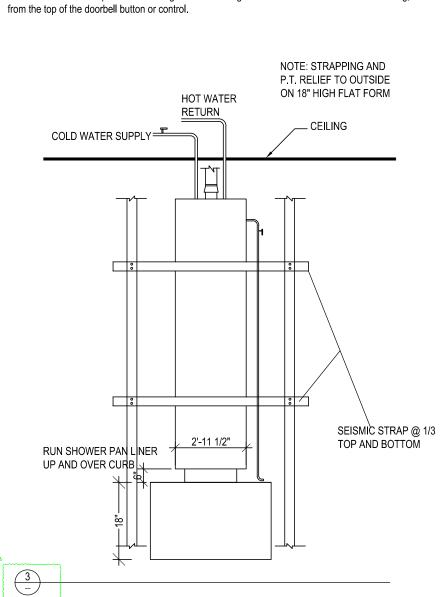


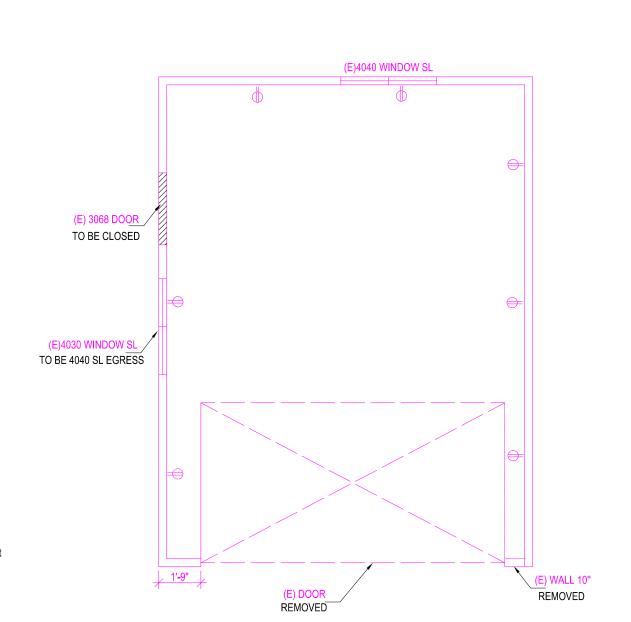


Aging-In Design note added For reinforcement installation: a) Reinforcement shall not be less than 2x8 nominal lumber or other construction material providing equal height and load capacity. Reinforcement shall be located between 32 inches and 39-1/4 inches above the finish floor flush with the wall framing. b) Water closet reinforcement shall be installed on both side walls of the fixture, or one side wall and the back

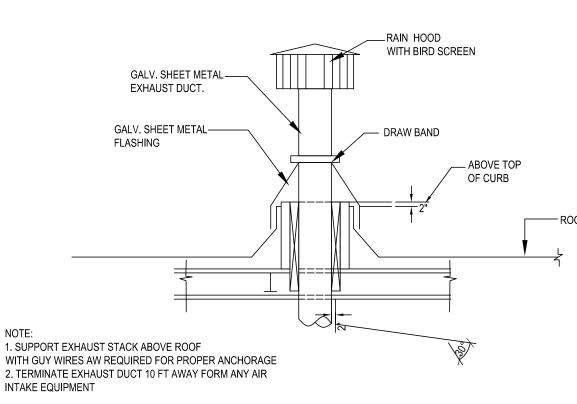
c) Shower reinforcement shall be continuous where wall framing is provided. d) Bathtub and combination bathtub/shower reinforcement shall be continuous on each end of the bathtub and the back wall. Additionally, backwall reinforcement for a lower grab bar shall be provided with the bottom edge located no more than 6 inches above the bathtub rim.

3) On electrical plan: Receptacles, switches and controls (including controls for heating, ventilation and air conditioning) intended to be used byoccupants shall be located no more than 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 box. 4) 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

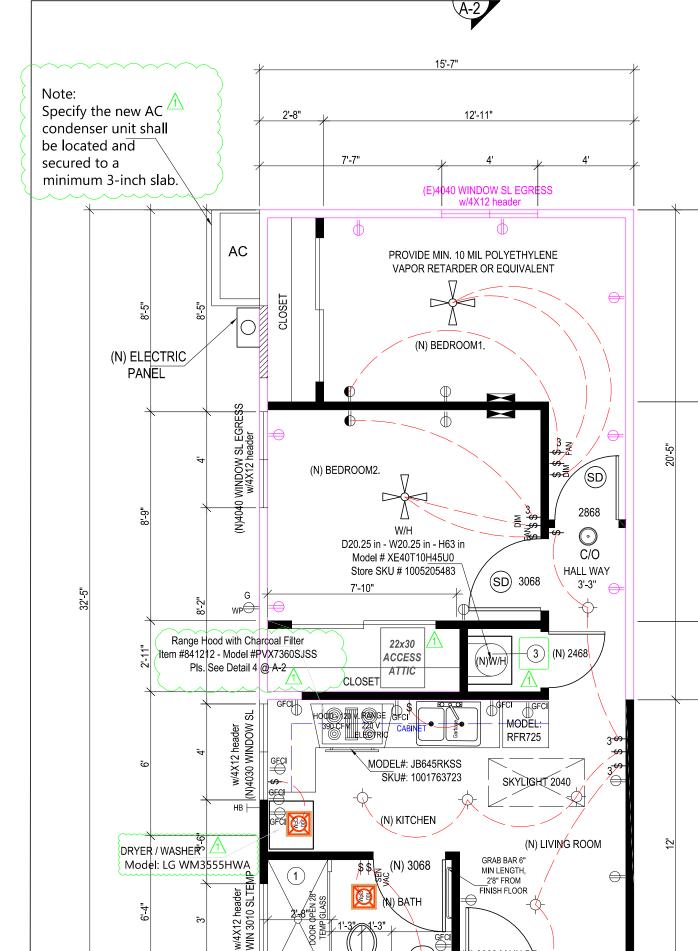




**EXISTING FLOOR PLAN** SCALE: 1/4" = 1'-0"



EXHAUST DUCT T ROOF RETAIL 4



PROPOSAL FLOOR AND ELECTRIC PLAN SCALE: 1/4" = 1'-0"

1.5" STEP DOWN



## ELECTRICAL LEGENDS

- CEILING RECEPTACLE OUTLET
- DUPLEX RECEPTACLE, MTD @ 12" U.O.N.
- → SINGLE OUTLET
- ⇒ 220V OUTLET
- ⊕G WEATHERPROOF DUPLEX OUTLET W/GFGI
- GFI DUPLEX OUTLET W/GROUND FAULT INTERRUPTER
- DUPLEX RECEPTACLE, MTD@+12" U.O.N. SPLIT WIRE WITH HALF SW/CONTROLLED
- FLOOR DUPLEX RECEPTACLE OUTLET
- CARBON MONOXIDE SMOKE DETECTOR W/BATTERY BACK UP
- -○- CEILING LIGHT

SPECIAL PURPOSE

- RECESSED CANISTER

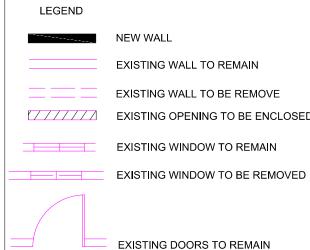
- \$ SWITCH
- \$3 WAY SWITCH \$<sub>4</sub> 4 WAY SWITCH
- DIMMER SWITCH
- \$T TIMER SWITCH
- CEILING FAN
- → FUEL GAS
- FAN TO OUTSIDE AIR
- CARBON MONOXIDE SMOKE

DETECTOR W/BATTERY BACK UP

- INCANDESCENT LIGHT
- FIXTURE (CEILING)
- LIGHT FIXTURE
- RECESSED LIGHT FIXTURE GreenBuilder Series 100 CFM Wall or Ceiling Bathroom Exhaust Fan with
- Adjustable Humidity Sensor, ENERGY STAR (MODEL GB100H)
- ⊢⊢ G GAS RISER
- GAS STUB
- HB HORSE BID WITH BACKFLOW PREVENTATION → DEVICE

- DECORATIVE ABOVE MIRROR
- ₩ KEY
- CEILING SUPPLY AIR REGISTER
- C CE CO DETECTORS U.L./SFM LISTED APPROVED

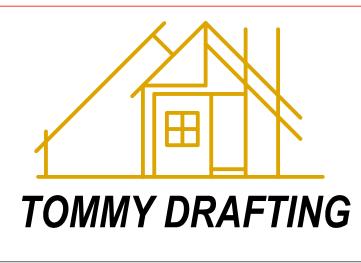
## LEGEND



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## **Reviewed for Code Compliance**

City of San Jose, Building Division **☒** Building ☐ Electrical ☐ Plumbing ☐ Mechanical FRANK COZZITORTO, P.E. (408) 535-7665 No. 2024-103462 Date: 01/31/2025



Date: SEPTEMBER 2024

Drawn: LUYEN HONG NGUYEN

(916) 526-5881 (408) 876-8402

Signed:

ELECTRIC

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PROPOSAL

REVISION

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11-22-2024

Email:helennguyen3689@gmail.com

9743 WHITE PINE WAY, ELK GROVE, CA 95624

WEATHERPROOF

DISPOSAL

O O O CHIME

PUSH BUTTON

HB <sub>→</sub> HOSE BIBB SOV SHUT OFF VALVE

○ BELL / BUZZER

ELECTRICAL DISCONNECT

BATHROOM LIGHT

USD CIRCUIT BREAKER

MOTION SENSOR CHANDELIER

FLOOR SUPPLY AIR REGISTER

📺 FLOURESCENTLIGHT FIXUTE (SURFACE) SEE PLAN

EXISTING OPENING TO BE ENCLOSED EXISTING WINDOW TO BE REMOVED EXISTING DOORS TO REMAIN

Scale: AS SHOWN

SHEET NO: