GENERAL NOTES

1. PLANS SHALL COMPLY WITH CURRENT EDITION OF CALIFORNIA TITLE 24 AND THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA GREEN CODE, CALIFORNIA FIRE CODE AND THE CITY OF SUTTER CREEK CODES.
2. WRITTEN DIMENSIONS TAKE PRIORITY OVER SCALED DIMENSIONS.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO ANY WORK STARTING.
4. DRAFTSMAN ACCEPTS NO RESPONSIBILITY FOR ANY CHANGES MADE DUE TO FIELD CONDITIONS.

OCCUPANCY R
CONSTRUCTION VB
EXPOSURE B
SDC C
CZ 12
WS 95 MPH
SOIL BEARING PRESSURE 1500 PSF
ROOF COVERING (CLASS A) COMP SHINGLES
ROOF DESIGNED WITH 20 PSF SNOW LOAD

BRACE WALL SCHEDULE

3/8" OSB WALL SHEATHING NAILED 6"O.C. EDGES AND 12"O.C. FIELD WITH 8D COMMON WITH ALL EDGES BLOCKED. 4' MINIMUM PANEL WIDTH.

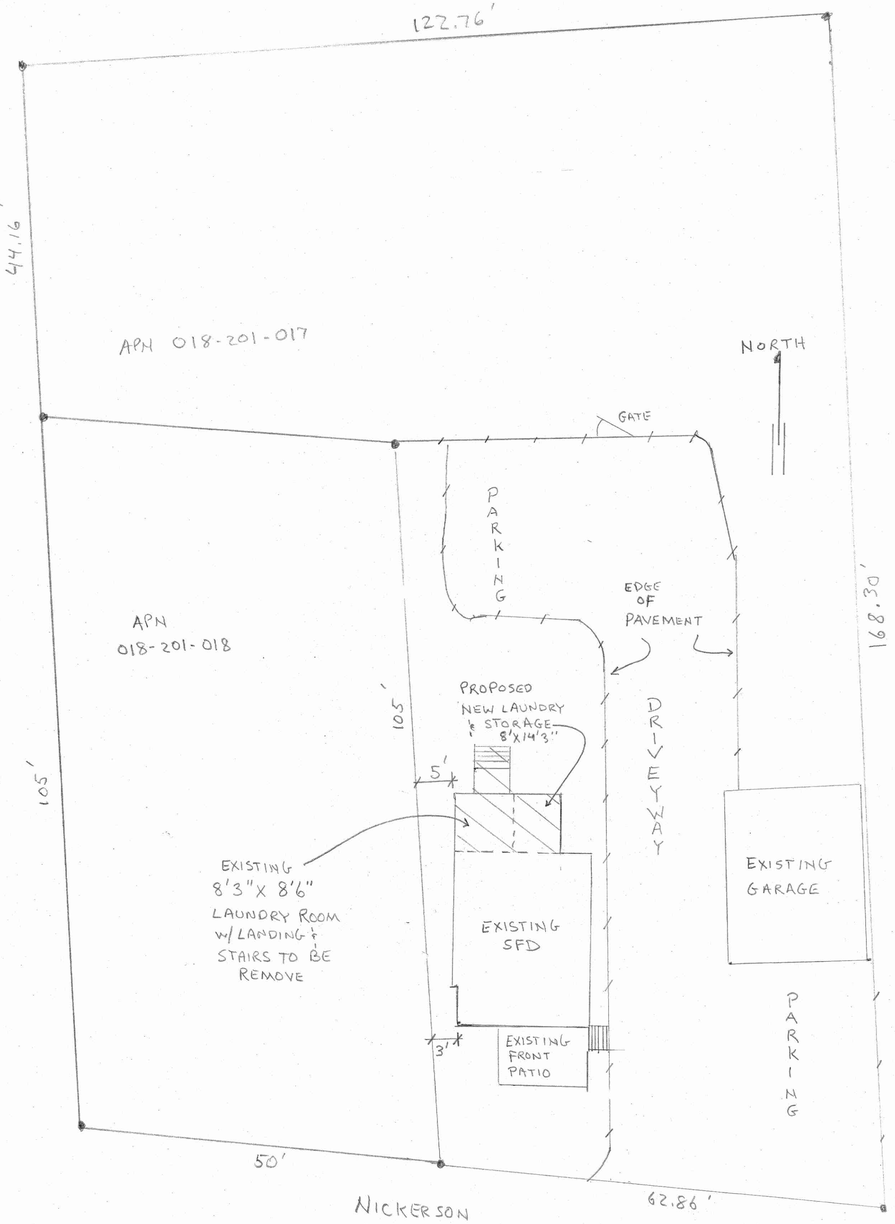
ALTERNATE BRACE WALL PANEL (ABW) TO BE CONSTRUCTED PER 2022 CRC R602.10.6.1

½" GYPSUM BOARD, APPLIED TO BOTH FACES OF STUD WALL, NAILED 7"O.C. WITH 1-5/8" WALLBOARD NAILS OR EQUAL, ALL EDGES AND ENDS BLOCKED. 4' MINIMUM PANEL WIDTH. MINIMUM 8' PANEL WIDTH IF APPLIED TO ONE FACE ONLY.

* THE ADDITION IS CONTINUOSLY SHEATHED W/ 3/8" OSB WALL SHTG.

SYMBOLS

GFI	GROUND FAULT CIRCUIT INTERRUPTER
AFI	ARCH FAULT CIRCUIT INTERRUPTER
WP	WEATHER PROOF
WL	WET LOCATION
MS	MOTION SENSOR
PC	PHOTO CONTROL
S	SWITCH
S3	THREE WAY SWITCH
S4	FOUR WAY SWITCH
LPG	LIQUID PETROLEUM GAS
NG	NATURAL GAS
D	DIMMER
	RECESSED HIGH EFFICACY LIGHT
	INCANDESCENT LIGHT
	FLORESCENT LIGHT
	110V DUPLEX OUTLET
	220V OUTLET
	CEILING FAN WITH LED LIGHTING
	HOSE BIB
	110V EXHAUST FAN
	110V INTERCONNECTED SMOKE AND CARBON MONOXIDE DETECTOR
	GAS OUTLET
	110 VOLT INTERCONNECTED SMOKE DETECTOR
	FLOOD LIGHTS
	PENDANT LED LIGHT
	WALL HUNG LED LIGHT



LEGEND

SCOPE

REMODLE AN EXISTING SINGLE FAMILY DWELLING. DEMO AN EXISTING 8'3"X 8'6" LAUNDRY ROOM. REPLACE IT WITH AN 8'X 14'3½" LAUNDRY ROOM WITH A PERIMETE FOUNDATION & A 4'X4'6" LANDING AND STAIRS. ADDITIONAL FOOTAGE = 44.12'

MARK MILLER
41 NICKERSON
SUTTER CREEK
APN 018-201-017

PLANS BY PEABODY PLANS & DESIGN
209.245.6516

(SEE 2 ADDITIONAL BUILDING CODE NOTES ON GREEN CODE REQUIREMENT SHEET)

NOTES

BASED ON THE 2022 CALIFORNIA BUILDING CODES

BUILDING CODE REQUIREMENTS

1. IN DWELLING UNITS, SMOKE ALARMS SHALL BE INSTALLED ON THE WALL OR CEILING OF THE AREA IMMEDIATELY OUTSIDE EACH SEPARATE SLEEPING AREA, IN EACH ROOM USED FOR SLEEPING PURPOSES, AND ON EACH STORY WITHIN THE DWELLING UNIT. IN DWELLINGS WITH BASEMENTS, AN ALARM SHALL BE INSTALLED ON EACH STORY AND IN THE BASEMENT. IN DWELLING UNITS WHERE A STORY OR BASEMENT IS SPLIT INTO TWO OR MORE LEVELS AND DOES NOT HAVE AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM NEED ONLY BE INSTALLED ON THE UPPER LEVEL, EXCEPT THAT WHEN THE LOWER LEVEL IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL, AN ALARM SHALL BE INSTALLED ON EACH LEVEL. WHERE THE CEILING HEIGHT OF A ROOM THAT OPENS ONTO A HALLWAY SERVING A BEDROOM EXCEEDS THE HEIGHT OF THE HALLWAY BY 24 INCHES, SMOKE ALARMS SHALL BE INSTALLED IN THE HALLWAY AND IN THE ADJACENT ROOM. IN NEW CONSTRUCTION, THE REQUIRED SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM A COMMERCIAL SOURCE AND HAVE A BATTERY BACKUP. WHEN MORE THAN ONE SMOKE ALARM IS BEING PROVIDED THE ALARMS SHALL BE INTERCONNECTED. 2022 CRC R314

2. WHERE ALTERATIONS, REPAIRS OR ADDITIONS REQUIRING A PERMIT OCCUR, THE INDIVIDUAL DWELLING UNIT SHALL BE EQUIPPED WITH SMOKE ALARMS LOCATED AS REQUIRED FOR NEW DWELLINGS. 2022 CRC R314.2.2 AND 2022 CRC R314.6

3. FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING UNITS AND IN SLEEPING UNITS WITHIN WHICH FUEL BURNING APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE GARAGES. 2022 CRC R315

4. ALTERATIONS, REPAIR AND ADDITIONS. WHERE AN ADDITION IS MADE TO AN EXISTING DWELLING, OR A FUEL-BURNING HEATER, APPLIANCE, OR A FIREPLACE IS ADDED TO AN EXISTING DWELLING, NOT PREVIOUSLY REQUIRED TO BE PROVIDED WITH CARBON MONOXIDE ALARMS, NEW CARBON MONOXIDE ALARMS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 2022 CRC R315 AND 2022 CRC R315.2.2

5. SPRINKLERS SHALL BE INSTALLED TO PROTECT ALL AREAS OF A NEW DWELLING UNIT. FIRE SPRINKLERS SHALL BE DESIGNED AND INSTALLED PER 2022 CRC R313

6. BASEMENTS, HABITABLE ATTICS, AND EVERY SLEEPING ROOM IN DWELLING UNITS SHALL HAVE AT LEAST ONE EXTERIOR WINDOW OR DOOR OPENING APPROVED FOR EMERGENCY ESCAPE OR RESCUE THAT SHALL OPEN DIRECTLY INTO A PUBLIC STREET, PUBLIC WAY, YARD OR EXIT COURT. ESCAPE OR RESCUE WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENING AREA OF 5.7 SQUARE FEET, EXCEPT THAT WHEN ESCAPE AND RESCUE WINDOWS ARE ON THE GRADE-FLOOR THEY CAN HAVE A MINIMUM NET CLEAR OPENING AREA OF 5 SQUARE FEET. ALL EMERGENCY ESCAPE AND RESCUE WINDOWS SHALL HAVE A FINISHED SILL HEIGHT NO GREATER THAN 44 INCHES ABOVE THE FINISHED FLOOR. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES. BASEMENTS THAT ARE LESS THAN 200 SQUARE FEET AND ARE ONLY USED TO HOUSE MECHANICAL EQUIPMENT ARE EXEMPT FROM THIS REQUIREMENT. 2022 CRC R310

7. PRIVATE GARAGES SHALL BE SEPARATED FROM A DWELLING UNIT AND ITS ATTIC SPACE BY A MINIMUM ½ INCH GYPSUM BOARD APPLIED ON THE GARAGE SIDE. PRIVATE GARAGES LOCATED BENEATH HABITABLE SPACES SHALL BE SEPARATED FROM THE HABITABLE SPACE BY MEANS OF MINIMUM 5/8 INCH GYPSUM BOARD. A GARAGE SHALL NOT OPEN DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES. DOOR OPENINGS BETWEEN A PRIVATE GARAGE AND A DWELLING UNIT ARE REQUIRED TO BE SELF-CLOSING AND SELF-LATCHING. WHEN NOT PROTECTED BY FIRE SPRINKLERS, THE DOOR SHALL BE CONSTRUCTED OF SOLID WOOD, SOLID MATERIAL, OR HONEY COMB CORE STEEL AND MUST BE 1-3/8 INCH THICK OR HAVE A 20 MINUTE FIRE RATING. 2022 CRC R302.5 AND R302.6

8. DUCTS MAY PASS THROUGH THE WALLS OR A CEILING SEPARATING A PRIVATE GARAGE FROM A DWELLING UNIT PROVIDED THE DUCTS WITHIN THE GARAGE ARE CONSTRUCTED OF STEEL HAVING A THICKNESS OF NOT LESS THAN 26 GAGE GALVANIZED SHEET STEEL AND THE DUCT HAS NO OPENINGS INTO THE GARAGE. 2022 CRC R302.5.2

9. PROVIDE READILY ACCESSIBLE NATURAL VENTILATION DIRECTLY TO THE OUTDOORS FOR ALL HABITABLE ROOMS WITHIN A DWELLING UNIT EQUAL TO 4% OF THE FLOOR AREA VENTILATED. 2022 CRC R303.1

10. PROVIDE NATURAL OR ARTIFICIAL LIGHT TO ALL HABITABLE ROOMS WITHIN A DWELLING UNIT. NATURAL LIGHT SHALL BE EQUAL TO 8% OF THE FLOOR AREA SERVED. ARTIFICIAL LIGHT SHALL HAVE AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. 2022 CRC R303.1

11. ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR BATHING FIXTURES SHALL BE PROVIDED WITH AN AGGREGATE GLAZING AREA OF NOT LESS THAN 3 SQUARE FEET OF WHICH AT LEAST ONE HALF MUST BE OPENABLE OR BE MECHANICALLY VENTILATED WITH THE EXHAUST AIR GOING DIRECTLY TO THE OUTSIDE. 2022 CRC R303.3

12. PROVIDE SAFETY GLAZING FOR ALL GLAZING IN LOCATIONS SPECIFIED AS HAZARDOUS IN THE 2022 CRC R308.4.

13. SHOWER COMPARTMENTS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A SMOOTH, NONABSORBENT SURFACE TO A HEIGHT OF 6 FEET ABOVE THE FLOOR. 2022 CRC R307.2.

14. PROVIDE AN APPROVED ATTIC ACCESS IN A READILY ACCESSIBLE LOCATION SIZED 22 INCHES BY 30 INCHES WITH A MINIMUM 30 INCH VERTICAL HEADROOM. 2019 CRC R807.1. IF MECHANICAL EQUIPMENT IS INSTALLED IN THE ATTIC SPACE THE ACCESS MUST BE SIZED SO THAT THE LARGEST PIECE OF EQUIPMENT CAN BE REMOVED, BUT IN NO CASE SMALLER THAN 22 INCH BY 30 INCH WITH 30 INCH VERTICAL HEADROOM CLEARANCE PER 2022 CMC R304.4.

15. ENCLOSED SPACE UNDER INTERIOR STAIRWAYS IN DWELLING UNITS SHALL HAVE THE WALLS AND SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH ½ INCH GYPSUM BOARD. 2022 CRC R302.7

16. PRIVATE STAIRWAYS SHALL BE CONSTRUCTED WITH A 7.75 INCH MAXIMUM RISE, A 10 INCH MINIMUM RUN, AND A 36 INCH MINIMUM WIDTH. A NOSING NOT LESS THAN 3/4 INCH BUT NOT MORE THAN 1-1/4 INCH SHALL BE PROVIDED ON STAIRWAYS WITH SOLID RISERS WHERE THE TREAD DEPTH IS LESS THAN 11 INCHES. THE LARGEST TREAD RUN AND THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH. MAINTAIN A CONTINUOUS 6 FOOT 8 INCH HEADROOM CLEARANCE ABOVE THE STAIRWAY. 2022 CRC R311.7

17. A MINIMUM OF ONE HANDRAIL IS REQUIRED ON ALL STAIRWAY RUNS WITH FOUR OR MORE RISERS THAT SERVE DWELLING UNITS. THE TOP OF HANDRAILS SHALL BE PLACED NOT LESS THAN 34 INCHES NOR MORE THAN 38 INCHES ABOVE THE NOSING OF THE TREADS EXCEPT FOR AT THE LOWEST RISER, LANDING TRANSITIONS, AND THE START OF THE FLIGHT WHERE THEY MAY BE ALLOWED TO BE HIGHER. A CLEAR SPACE OF 1-1/2 INCHES IS REQUIRED BETWEEN THE HANDRAIL AND THE WALL. THE MAXIMUM PROJECTION OF THE HANDRAIL INTO THE REQUIRED STAIRWAY WIDTH SHALL BE 4-1/2 INCHES. OPENINGS IN OPEN GUARDS ON STAIRWAYS SHALL BE SIZED SUCH THAT A 4 INCH SPHERE WILL NOT PASS THROUGH. THE TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD AND BOTTOM RAIL AT THE OPEN SIDE OF A STAIRWAY SHALL BE OF A MAXIMUM SIZE SUCH THAT A SPHERE OF 6 INCHES IN DIAMETER CANNOT PASS THROUGH THE OPENING. 2022 CRC R312 AND 2022 CRC R311.8.3.3

18. CIRCULAR HANDRAILS SHALL HAVE A MINIMUM DIAMETER OF 1-1/4 INCHES AND A MAXIMUM DIAMETER OF 2 INCHES. NON-CIRCULAR HANDRAILS SHALL HAVE A MINIMUM PERIMETER DIMENSION OF 4 INCHES, A MAXIMUM PERIMETER DIMENSION OF 6-1/4 INCHES, AND A MAXIMUM CROSS-SECTION OF 2-1/4 INCHES. HANDRAILS WITH A PERIMETER GREATER THAN 6-1/4 INCHES SHALL HAVE A GRASPABLE FINGER RECESS AREA ON BOTH SIDES OF THE PROFILE. THE FINGER RECESS SHALL BEGIN WITHIN A DISTANCE OF 3/4 INCH MEASURED VERTICALLY FROM THE TALLEST PORTION OF THE PROFILE AND ACHIEVE A DEPTH OF A LEAST 5/16 INCH WITHIN 7/8 INCH BELOW THE WIDEST PART OF THE PROFILE. THE REQUIRED DEPTH SHALL CONTINUE FOR AT LEAST 1-3/4 INCHES BELOW THE TALLEST PORTION OF THE PROFILE. THE MINIMUM WIDTH OF THE HANDRAIL ABOVE THE RECESS SHALL BE 1-1/4 INCHES TO A MAXIMUM OF 2-3/4 INCHES. 2022 CRC R311.7.8.5

19. GUARDS ARE REQUIRED WHERE OPEN-SIDED WALKING SURFACES, RAMPS, AND LANDINGS ARE LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR BELOW. THESE GUARDS SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT. OPENINGS IN OPEN GUARDS FOR THESE AREAS SHALL BE SIZED SUCH THAT A 4-3/8 INCH DIAMETER SPHERE CANNOT PASS THROUGH ANY OPENING 2022 CRC R312

20. ON STAIRWAYS, GUARDS WHOSE TOP RAIL ALSO SERVES AS A HANDRAIL SHALL HAVE A HEIGHT NOT LESS THAN 34 INCHES AND NOT MORE THAN 38 INCHES MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGE OF THE TREADS. 2022 CRC R 312.1.2 EX 2

21. INTERIOR SPACES INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH HEATING FACILITIES CAPABLE OF MAINTAINING A ROOM TEMPERATURE OF 68 DEGREES FAHRENHEIT AT A POINT 3 FEET ABOVE THE FLOOR AND 2 FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS. 2022 CRC R303.10

22. CEILING HEIGHTS FOR HABITABLE SPACE, HALLWAYS AND PORTIONS OF BASEMENTS CONTAINING THESE SPACES SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FEET. 2022 CRC R305.1

23. FACTORY BUILT CHIMNEYS AND FACTORY BUILT FIREPLACES SHALL BE LISTED AND INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE MANUFACTURER'S INSTRUCTIONS. 2022 CRC R1004.1

24. BRACED WALL LINES SHALL CONSIST OF BRACED WALL PANELS THAT MEET THE REQUIREMENTS FOR LOCATION, SIZE, SPACING AND TYPE OF BRACING AS SHOWN IN 2022 CRC R602.10 AND R602.10.1, TABLES R602.10.2.2, R602.10.1.2 AND R602.10.3. BRACE WALL LINES SHALL BE IN LINE OR OFFSET FROM EACH OTHER BY NOT MORE THAN 4 FEET. ALL BRACED WALL PANELS SHALL BE CLEARLY INDICATED ON THE PLANS.

25. A BRACED WALL PANEL MAY BE REPLACED BY AN ALTERNATE BRACED WALL PANEL (ABW) CONSTRUCTED IN ACCORDANCE WITH 2022 CRC R602.10.6.1 AND FIGURE R602.10.6.1.

26. CRIPPLE WALLS HAVING A STUD HEIGHT EXCEEDING 14 INCHES SHALL BE FRAMED OF STUDS NOT LESS IN SIZE THAN THE STUDS ABOVE. CRIPPLE WALLS EXCEEDING 4 FEET IN HEIGHT SHALL BE FRAMED WITH STUDS SIZED AS REQUIRED FOR AN ADDITIONAL STORY. CRIPPLE WALLS WITH STUDS LESS THAN 14 INCHES HIGH SHALL BE FRAMED OF SOLID BLOCKING OR SHALL BE SHEATHED ON AT LEAST ONE SIDE WITH A WOOD STRUCTURAL PANEL THAT IS FASTENED TO BOTH THE TOP AND BOTTOM PLATE. AL CRIPPLE WALLS SHALL BE SUPPORTED ON A CONTINUOUS FOUNDATION. 2022 CRC R602.9

27. STUD SIZE, HEIGHT AND SPACING SHALL CONFORM TO 2022 CRC, TABLE R602.3.1.

28. PROVIDE ACCESS TO ALL UNDER-FLOOR SPACES. ACCESS PROVIDED THROUGH THE FLOOR SHALL BE A MINIMUM SIZE OF 18 INCHES BY 24 INCHES. ACCESS PROVIDED THROUGH THE WALL SHALL BE A MINIMUM SIZE OF 16 INCHES BY 24 INCHES AND SHALL NOT BE LOCATED UNDER A DOOR TO THE RESIDENCE. 2022 CRC R408.4

29. PROVIDE ADEQUATE VENTILATION AT ALL UNDER-FLOOR SPACES. 2022 CRC R408.1 AND R408.2

30. WOOD FRAMING MEMBERS AND WOOD BASED PRODUCTS MUST BE FOUNDATION GRADE REDWOOD OR TREATED AND MARKED BY AN APPROVED AGENCY WHEN REQUIRED BY 2022 CRC R317.

31. FOUNDATION PLATES OR SILLS SHALL BE BOLTED OR ANCHORED TO THE FOUNDATION WITH NOT LESS THAN ½ INCH DIAMETER STEEL BOLTS OR APPROVED ANCHORS SPACE A MAXIMUM OF 6 FEET ON CENTER FOR ONE AND TWO STORY DWELLINGS AND A MAXIMUM OF 4 FEET ON CENTER FOR THREE OR MORE STORY DWELLINGS. THERE SHALL BE AT LEAST TWO BOLTS PER PLATE THAT START WITHIN 12 INCHES OR 7 BOLT DIAMETERS OF THE END OF THE PLATE. ALL FOUNDATION BOLTS SHALL BE EMBEDDED A MINIMUM OF 7 INCHES INTO THE CONCRETE OR MASONRY. EACH BOLT SHALL HAVE A PROPERLY SIZED NUT AND WASHER. 2019 CRC R403.1.6 AND R403.1.6.1. THE WASHERS MUST BE A MINIMUM 3X3 INCHES SQUARE AND .229 INCHES THICK. A DIAGONAL SLOT IS ALLOWED OF A WIDTH 3/16 INCH LARGER THAN THE BOLT DIAMETER AND A MAXIMUM 1-3/4 IN LENGTH, PROVIDED A STANDARD CUT WASHER IS USED BETWEEN THE NUT AND PLATE WASHER. 2022 CRC R403.1.6.1 AND R602.11.1

32. CUTTING AND NOTCHING OF EXTERIOR WALLS AND BEARING PARTITIONS SHALL NOT BE GREATER THAN 25 PERCENT OF THE STUD WIDTH. CUTTING OR NOTCHING OF STUDS TO A DEPTH NOT GREATER THAN 40 PERCENT OF THE WIDTH OF THE STUD IS PERMITTED IN NONBEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION. 2022 CRC R602.6

33. A DRILLED OR BORED HOLE NOT GREATER IN DIAMETER THAN 60 PERCENT OF THE STUD WIDTH IS PERMITTED IN A NON-BEARING PARTITION OR IN A WALL WHERE THE BORED STUD IS DOUBLED PROVIDED NOT MORE THAN TWO SUCH SUCCESSIVE STUDS ARE BORED. A MINIMUM 5/8 INCH OF WOOD IS REQUIRED BETWEEN THE BORED HOLE AND THE EDGE OF THE WOOD. BORED HOLES CANNOT BE LOCATED IN THE SAME VICINITY AS A CUT OR A NOTCH. 2022 CRC R602.6(2)

34. FOOTINGS SHALL BE DESIGNED SO THAT THE ALLOWABLE BEARING CAPACITY OF THE SOIL IS NOT EXCEEDED PER 2022 CRC TABLE R401.4.1. WHERE A SPECIFIC DESIGN IS NOT PROVIDED, THE SIZE OF CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF 2022 CRC TABLE R403.1 AND SECTION R403. THE MINIMUM DEPTH OF FOOTINGS SHALL BE 12 INCHES BELOW UNDISTURBED GROUND. 2022 CRC R403.1.4. FOR DECKS SEE 2022 CRC R507.3

35. WHERE POST AND BEAM OR GIRDER CONSTRUCTION IS USED, A POSITIVE CONNECTION SHALL BE PROVIDED TO ENSURE AGAINST UPLIFT AND LATERAL DISPLACEMENT. 2022 CRC R502.9

36. WHERE THE RAFTERS ARE NOT PARALLEL WITH THE CEILING JOIST, RAFTERS SHALL BE TIED TO AN EQUIVALENT RAFTER TIE THAT IS CONNECTED PER 2022 CRC TABLE 802.5.2.2. THE RAFTER TIES SHALL BE A MINIMUM OF 2 INCH BY 4 INCH; 2022 CRC R802.3. WHERE CEILING JOISTS OR RAFTER TIES ARE NOT PROVIDED, THE RIDGE FORMED BY THESE RAFTERS SHALL BE SUPPORTED BY A WALL OR GIRDER DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.

37. PROVIDE ADEQUATE VENTILATION TO ALL ATTIC SPACES. 2022 CRC R806.1

38. PROVIDE FIREBLOCKING AND DRAFT STOPPING IN CONCEALED LOCATIONS OF COMBUSTIBLE CONSTRUCTION IN ACCORDANCE WITH THE 2022 CRC R302.11 AND R302.12.

39. ALL GYPSUM BOARD, STUCCO, PLASTER, AND LATH SHALL BE INSTALLED AS PER 2019 CRC CHAPTER 7. NOTE: WHEN LATH IS APPLIED OVER WOOD BASE SHEATHING, INCLUDE TWO LAYERS OF GRADE D PAPER. 2022 CRC R703.7.3.

40. PROVIDE WEATHER PROTECTION ON ALL EXTERIOR WALLS LOCATED ABOVE GRADE THAT ARE NOT CONSTRUCTED OF CONCRETE OR MASONRY. 2022 CRC R703.1

41. ON GRADED SITES, THE TOP OF ANY EXTERIOR FOUNDATION SHALL EXTEND ABOVE THE ELEVATION OF THE STREET GUTTER AT POINT OF DISCHARGE OR THE INLET OF AN APPROVED DRAINAGE DEVICE A MINIMUM OF 12 INCHES PLUS 2 PERCENT PER FOOT (1/4 INCH PER LINEAR FOOT MEASURED FROM THE GUTTER TO THE EDGE OF THE FOOTING). WHERE A GUTTER IS NOT PRESENT, THE MEASUREMENT SHALL BE TAKEN FROM THE CROWN OF ROAD. 2022 CRC R403.1.7.3.

42. PROVIDE LANDINGS AT EXTERIOR DOORS PER 2022 CRC R311.3.

PLUMBING CODE REQUIREMENTS

1. PROVIDE AN APPROVED DISHWASHER AIR GAP FITTING AS PER 2022 CPC R807.3

2. POTABLE WATER OUTLETS WITH HOSE ATTACHMENTS; OTHER THAN WATER HEATER DRAINS, BOILER DRAINS, AND CLOTHES WASHER CONNECTORS, SHALL BE PROTECTED BY A LISTED NON-REMOVABLE HOSE BIB TYPE BACKFLOW PREVENTER OR A LISTED ATMOSPHERIC VACUUM BREAKER AS PER 2022 CPC R603.5.7

3. JOINTS. WHERE A FIXTURE COMES IN CONTACT WITH THE WALL OR FLOOR, THE JOINT BETWEEN THE FIXTURE AND THE WALL OR FLOOR SHALL BE MADE WATERTIGHT. 2022 CPC R402.2

4. NO UNDER FLOOR CLEANOUT SHALL BE LOCATED NOT MORE THAN 5 FEET FROM AN ACCESS DOOR, TRAP DOOR, OR CRAWL HOLE. 2022 CPC R707.9

5. GAS WATER HEATERS LOCATED IN RESIDENTIAL GARAGES OR ADJACENT SPACES OPEN TO THE GARAGE THAT ARE NOT PART OF THE LIVING SPACE SHALL BE INSTALLED SO THAT THE PILOTS, BURNERS AND BURNER-IGNITER DEVICES ARE AT LEAST 18 INCHES ABOVE THE FLOOR UNLESS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. 2022 CPC R507.13; OTHERS R507.1 THROUGH 508.4.4

6. FUEL BURNING WATER HEATERS SHALL BE INSTALLED PER 2022 CPC R506.0, FOR COMBUSTION AIR.

7. WATER HEATERS THAT DEPEND ON THE COMBUSTION OF FUEL FOR HEAT SHALL NOT BE INSTALLED IN BEDROOMS OR BATHROOMS UNLESS INSTALLED IN AN APPROVED CLOSET OR DIRECT VENT TYPE PER 2022 CPC R504.1.

8. LISTED WATER HEATERS SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND THE MANUFACTURES INSTRUCTIONS. UNLISTED WATER HEATERS SHALL BE INSTALLED WITH A CLEARANCE OF 12 INCHES ON ALL SIDES AND REAR. 2022 CPC R504.3.1 AND R504.3.2

9. ANY WATER SYSTEM CONTAINING STORAGE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH AN APPROVED, LISTED AND ADEQUATELY SIZED COMBINATION PRESSURE AND TEMPERATURE RELIEF VALVE. 2022 CPC R608.3

10. RELIEF VALVES LOCATED INSIDE A BUILDING SHALL BE PROVIDED WITH A DRAIN OF GALVANIZED STEEL, HARD DRAWN COPPER PIPING AND FITTINGS, CPVC, OR LISTED VALVE DRAIN. THE DRAIN SHALL EXTEND FROM THE VALVE TO THE OUTSIDE OF THE BUILDING WITH THE END OF THE PIPE NOT MORE THAN 2' NOR LESS THAN 6" ABOVE THE GROUND AND POINTING DOWNWARD. 2022 CPC 608.5. NOTE: NO PART OF SUCH DRAIN PIPE SHALL BE TRAPPED AND THE TERMINAL END OF THE DRAIN PIPE SHALL NOT BE THREADED.

11. WATER HEATERS SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION. STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE THIRD AND LOWER ONE THIRD OF ITS VERTICAL DIMENSIONS. AT THE LOWER POINT, A MINIMUM DISTANCE OF 4 INCHES SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING. 2022 CPC507.2

12. GAS UTILIZATION EQUIPMENT CONNECTED TO A PIPING SYSTEM SHALL HAVE AN ACCESSIBLE APPROVAL MANUAL SHUT OFF VALVE WITH A NON-DISPLACEABLE VALVE MEMBER OR A LISTED GAS CONVENIENCE OUTLET INSTALLED WITHIN 6 FEET OF THE EQUIPMENT IT SERVES. SHUT OFF VALVES SERVING DECORATIVE GAS APPLIANCES SHALL BE PERMITTED TO BE INSTALLED IN FIREPLACES IF LISTED FOR SUCH USE. 2022 CPC 1212.6

13. SHOWERS AND TUB-SHOWER COMBINATIONS IN ALL BUILDINGS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE TYPE. 2022 CPC 408.3

ELECTRICAL CODE REQUIREMENTS

1. PROVIDE A GROUNDING ELECTRODE AS PER 2022 CEC ARTICLE 250.52.

2. GROUNDING CONDUCTORS TO BE PROVIDED WHERE INSTALLING A BRANCH CIRCUIT OR FEEDER SUPPLYING A SEPARATE BUILDING OR STRUCTURE. 2022 CEC, ARTICLE 250.32(B)

3. CONTACT LOCAL GAS AND ELECTRIC CUSTOMER SERVICE DEPARTMENT FOR SERVICE LOCATION OR LOCAL AGENCY.

4. AT LEAST ONE WALL SWITCH-CONTROLLED LIGHTING OUTLET SHALL BE INSTALLED IN EVERY HABITABLE ROOM, IN BATHROOMS, HALLWAYS, STAIRWAYS, ATTACHED GARAGES, DETACHED GARAGES WITH ELECTRICAL POWER, ATTICS, UNDER FLOOR SPACES, UTILITY ROOMS, BASEMENTS AND AT OUTDOOR ENTRANCES OR EXITS. 2022 CEC ARTICLE 210.70

5. DWELLINGS WITH DIRECT GRADE LEVEL ACCESS SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET AT GRADE LEVEL AT THE FRONT AND BACK OF THE DWELLING. ALL 125 VOLT, 15 AND 20 AMP, RECEPTACLES INSTALLED OUTDOORS WITH DIRECT GRADE LEVEL ACCESS SHALL BE GFCI PROTECTED. ALL RECEPTACLES INSTALLED OUTDOORS IN WET OR DAMP LOCATIONS SHALL BE IN A WEATHERPROOF ENCLOSURE AS PER 2022 CEC ARTICLES 210.52(E), 210.8(A)(3) AND 406.9B.

6. AT LEAST ONE RECEPTACLE OUTLET, IN ADDITION TO ANY PROVIDED FOR LAUNDRY EQUIPMENT, SHALL BE INSTALLED IN EACH BASEMENT, IN EACH ATTACHED GARAGE AND IN EACH ACCESSARY BUILDING WITH ELECTRIC POWER. THESE OUTLETS ARE TO BE GFIC PROTECTED. 2022 CEC 210.52.G

7. PROVIDE GFCI PROTECTION TO ALL 125 VOLT, 15 AMP RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, OUTDOORS, CRAWLSPACES AT OR BELOW GRADE, UNFINISHED BASEMENTS, RECEPTACLES TO SERVE COUNTER TOP SURFACES INSTALLED IN KITCHENS, AND RECEPTACLES TO SERVE COUNTER TOP SURFACES INSTALLED WITHIN 6 FEET OF A WET BAR, LAUNDRY OR UTILITY SINKS. 2022 CEC 210-8(A). EXCEPTION: RECEPTACLES FOR DEDICATED APPLIANCES AND RECEPTACLES THAT ARE NOT READILY ACCESSIBLE.

8. ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION IS REQUIRED IN DWELLINGS FOR ALL 120 VOLT SINGLE PHASE 15 AND 20 AMP BRANCH CIRCUITS. 2022 210.12.

9. RECEPTACLE OUTLETS SHALL BE SPACED NOT MORE THAN 12 FEET APART AND A MAXIMUM OF 6 FEET FROM THE END OF WALLS OR OPENINGS. RECEPTACLE OUTLETS ARE ALSO REQUIRED IN WALLS 2 FEET OR GREATER. 2022 CEC 210.52 (A)

10. PROVIDE 2 OR MORE 20 AMP SMALL APPLIANCE BRANCH CIRCUITS EVENLY PROPORTIONED IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM OR SIMILAR AREA. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.2019 CEC 210.52(B) NOTE: ONE ADDITIONAL 20 AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY RECEPTACLE OUTLET(S). 2022 CEC 210.11 (C) (2)

11. PROVIDE FUSES OR APPROVED CIRCUIT BREAKERS AT AIR CONDITIONING UNITS AND HEAT PUMPS AS PER 2022 CEC 440. (DO NOT EXCEED MAXIMUM FUSE REQUIREMENTS OR MINIMUM ON EQUIPMENT SPECIFICATION PLATE.)

12. AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED WITH ALL BRANCH CIRCUITS AND FEEDERS SUPPLYING A SEPARATE BUILDING OR STRUCTURE. 2022 CEC 250.32 (B)

13. PROVIDE AN INTERSYSTEM BONDING TERMINATION MEANS THAT INCLUDES THE PROVISIONS FOR CONNECTING THREE GROUNDING OR BONDING CONDUCTORS FOR COMMUNICATIONS SYSTEMS USING A #6 COPPER CONDUCTOR.2022 CEC 250.94

14. EQUIPMENT GROUNDING CONDUCTORS TO BE PROVIDED FOR GROUNDING MEANS AND EFFECTIVE GROUND-FAULT PATH BY PERFORMING BOTH GROUNDING AND BONDING FUNCTIONS. 2022 CEC 250.118

15. EQUIPMENT BONDING JUMPERS THAT CONNECT GROUNDING TERMINALS OF RECEPTACLES TO A GROUNDED METAL BOX MUST BE SIZED ACCORDING TO TABLE 250.122 USING THE RATING OF THE OVERCURRENT DEVICE, FUSE OR CIRCUIT BREAKER FOR THE CIRCUIT. 2022 CEC250.146

16. ONE MAIN FEEDER SHALL BE PROVIDED FOR EACH BUILDING TO SUPPLY ALL BRANCH CIRCUITS, FEEDERS, OR BOTH; ASSOCIATED WITH LOAD PROFILE OF DWELLING UNITS. 2022 CEC 310.15 (B)

17. DEVICE OR EQUIPMENT FILL IN A JUNCTION BOX TO BE CALCULATED USING TWICE THE WIRE SIZE VOLUME IF THE DEVICE IS WIDER THAN 2 INCHES. 2022 CEC 314.16 (B) (4)

18. LIGHTING JUNCTION BOXES TO BE DESIGNED FOR THE PURPOSE AND LISTED WITH THE CAPACITY OF HOLDING 50 POUNDS. IT MUST BE MARKED FOR THE PURPOSE OF HOLDING LUMINARIES. 2022 CEC 314.27 (A)

19. ARMORED CLAD CABLE (AC) IS ACCEPTABLE FOR BRANCH CIRCUITS AND FEEDERS. 2022 CEC 320.10 (1)

20. METAL CLAD CABLE (MC) IS LISTED FOR WET LOCATIONS IF PROVIDED WITH A CORROSION-RESISTANT JACKET. 2022 CEC330.10 (A) (11)

21. FLEXIBLE METAL CONDUIT ISN'T PERMITTED FOR USE IN WET LOCATIONS, REGARDLESS OF ANY CONDITIONS. 2022 CEC348.12 (1)

22. FLEXIBLE METAL CONDUIT AND LIQUID TIGHT FLEXIBLE METAL CONDUIT MAY BE FISHED WITHIN WALLS OR CONCEALED SPACES WITHOUT THE NEED FOR SUPPORT. 2022 CEC 348.30 (A)

23. AN EQUIPMENT DISCONNECTING MEANS THAT ISN'T WITHIN SIGHT OF THE EQUIPMENT IT SERVES IS REQUIRED TO BE CAPABLE OF BEING LOCKED OPEN (OFF POSITION) AND HAVE A MEANS FOR ADDING A LOCK THAT MUST REMAIN WITH THE EQUIPMENT WHETHER THE LOCK IS INSTALLED OR NOT. THIS IS A SPECIAL DEVICE THAT CONNECTS TO THE BREAKER. 2022 CEC 410.141, 422..31(B) & 440.14 EX 1

24. RECEPTACLES IN WET LOCATIONS, 120 VOLT AND 250 VOLT ARE REQUIRED TO BE LISTED WEATHER-RESISTANT TYPE. 2022 CEC 406.9 (A) & (B)

25. TAMPER-RESISTANT RECEPTACLES IN DWELLINGS TO BE INSTALLED IN AREAS SPECIFIED BY 210.52 SHALL BE LISTED TAMPER-RESISTANT TYPE. 2022 CEC 406.12

26. ALL LUMINARIES AND LAMP HOLDERS SHALL BE LISTED. 2022 CEC410.6.

27. SURFACE-MOUNTED OR CLOTHES-ROD LUMINAIRES OR LED LUMINAIRES THAT ARE LISTED MAY BE USED IN CLOTHES CLOSETS INCLUDING STORAGE SPACE. 2022 CEC 410.16 (A) & 410.16 (C) (5)

28. PROVIDE FUSES OR APPROVED CIRCUIT BREAKERS AT AIR CONDITIONERS AND HEAT PUMPS AS PER 2022 CEC 440. (DO NOT EXCEED MAXIMUM FUSE REQUIREMENTS OR MINIMUM ON EQUIPMENT SPECIFICATION PLATE.)

29. THE DISCONNECTING MEANS FOR POOL, SPA OR HOT TUB SHALL SIMULTANEOUSLY OPEN ALL UNGROUNDED CONDUCTORS. IT SHALL BE FURTHER THAN 5 FEET FROM THE WATER'S EDGE. 2022 CEC 680.13

30. RECEPTACLES SHALL BE GREATER THAN 6 FEET FROM THE WATER'S EDGE OF THE POOL, FOUNTAIN, SPA OR SIMILAR INSTALLATION. IT SHALL BE GFCI PROTECTED. 2022 CEC 680.22, 680.34, 680.43, 680.62 & 680.71.

31. GFCI PROTECTION IS REQUIRED FOR ALL 15 AND 20 AMP PUMPS FOR EITHER 125 VOLT OR 240 VOLT MOTORS SUPPLYING POOL EQUIPMENT. 2022 CEC 680.22

32. ALUMINUM CONDUCTORS ARE NOT ALLOWED TO BE USED AS FEEDERS IN POOL AREAS WHERE SUBJECT TO CORROSION. 2022 CEC 680.25 (A)

33. EQUIPOTENTIAL BONDING WILL BE REQUIRED AROUND POOL AREAS. A CONDUCTOR SIZED AT A MINIMUM OF #8 COPPER SHALL BE USED. 2022 CEC680.26

34. PUMPS FOR PORTABLE POOLS SHALL HAVE AN INTEGRAL GFCI PROTECTED CORD WITHIN 12 INCHES OF THE ATTACHMENT PLUG. ALL 125 VOLT RECEPTACLES WITHIN 20 FEET OF A POOL SHALL BE GFCI PROTECTED. 2022 CEC 680.31 & 680.32

35. HYDRO MASSAGE BATHTUBS AND THEIR ASSOCIATED EQUIPMENT MUST BE SUPPLIED BY AT LEAST ONE SEPARATE INDIVIDUAL CIRCUIT. 2022 CEC 680.71

MECHANICAL CODE REQUIREMENTS

1. DOMESTIC CLOTHES DRYER MOISTURE EXHAUST DUCTS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACK DRAFT DAMPER. SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE FLOW SHALL NOT BE USED. UNLESS OTHERWISE PERMITTED OR REQUIRED BY THE DRYER MANUFACTURERS INSTALLATION INSTRUCTIONS AND BY THE BUILDING OFFICIAL, DOMESTIC DRYER MOISTURE EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14 FEET INCLUDING TWO 90 ELBOWS. TWO FEET SHALL BE DEDUCTED FOR EACH 90 ELBOW IN EXCESS OF TWO 2022 CMC 504.4 AND 504.4.2.1

2. MAKE UP AIR. WHEN A CLOSET IS DESIGNED FOR THE INSTALLATION OF A CLOTHES DRYER, A MINIMUM OPENING OF 100 SQUARE INCHES FOR MAKEUP AIR SHALL BE PROVIDED IN THE DOOR OR BY OTHER APPROVED MEANS. 2022 CMC 504.4.1

3. INSTALLATION OF A LISTED COOKING APPLIANCE OR MICROWAVE OVEN ABOVE A LISTED COOKING APPLIANCE. THE INSTALLATION OF A LISTED COOKING APPLIANCE OR MICROWAVE OVEN OVER A LISTED COOKING APPLIANCE SHALL CONFORM TO THE CONDITIONS OF THE UPPER APPLIANCE'S LISTING AND THE MANUFACTURERS' INSTALLATION INSTRUCTIONS. 2022 CMC 920.4.2(3)

4. DOMESTIC RANGE VENTS. DUCTS FOR DOMESTIC KITCHEN DOWNDRAFT GRILL-RANGE VENTILATION SHALL BE INSTALLED AS PER 2022 CMC 504.3.

5. FUEL BURNING EQUIPMENT SHALL BE ASSURED A SUFFICIENT SUPPLY OF COMBUSTION AIR AS PER CHAPTER 7, 2022 CMC.

6. WARM AIR FURNACES SHALL NOT BE INSTALLED IN A ROOM USED OR DESIGNED TO BE USED AS A BEDROOM OR BATHROOM UNLESS DIRECT VENT TYPE OR INSTALLED IN AN APPROVED CLOSET ENCLOSURE PER 2022 CMC 904.1

7. ATTIC FURNACE: THE DISTANCE FROM THE PASSAGEWAY ACCESS TO THE FURNACE SHALL NOT EXCEED 20 FEET MEASURED ALONG THE CENTER LINE OF THE PASSAGEWAY. THE PASSAGEWAY SHALL BE UNOBSTRUCTED AND SHALL HAVE CONTINUOUS SOLID FLOORING NOT LESS THAN 24 INCHES WIDE FROM THE ENTRANCE OPENING TO THE FURNACE. A LEVEL WORKING PLATFORM NOT LESS THAN 30 INCHES IN DEPTH AND WIDTH SHALL BE PROVIDED IN FRONT OF THE ENTIRE FIRE BOX SIDE OF THE WARM AIR FURNACE. IF THE FURNACE TEMPERATURE LIMIT CONTROL, AIR FILTER, FUEL CONTROL VALVE, VENT COLLAR OR AIR HANDLING UNIT IS NOT SERVICEABLE FROM THE FIREBOX SIDE OF THE FURNACE, A CONTINUOUS FLOOR NOT LESS THAN 24 INCHES IN WIDTH SHALL BE PROVIDED FROM THE PLATFORM IN FRONT OF THE FIRE BOX SIDE OF THE FURNACE TO AND IN FRONT OF THIS EQUIPMENT. A PERMANENT ELECTRIC OUTLET AND LIGHTING FIXTURE CONTROLLED BY A SWITCH LOCATED AT THE REQUIRED PASSAGEWAY OPENING SHALL BE PROVIDED AT OR NEAR THE FURNACE. 2022 CMC 904.10 AND 304.0 TO 304.4.4

8. VENT TERMINATION: GAS VENTS WITH LISTED VENT CAPS 12 INCHES IN SIZE OR SMALLER SHALL BE PERMITTED TO BE TERMINATED IN ACCORDANCE WITH FIGURE 802.6.1 AND TABLE 802.6.1 PROVIDED THEY ARE LOCATED AT LEAST 8 FEET FROM THE VERTICAL WALL OR SIMILAR OBSTRUCTION. ALL OTHER GAS VENTS SHALL TERMINATE NOT LESS THAN 2 FEET ABOVE THE HIGHEST POINT WHERE THEY PASS THROUGH THE ROOF AND AT LEAST 2 FEET HIGHER THAN ANY PORTION OF A BUILDING WITHIN 10 FEET. 2022 CMC 802.6.1 (1) AND (2). NOTE: SINGLE WALL METAL PIPE SHALL NOT ORIGINATE IN AN UNOCCUPIED ATTIC OR CONCEALED SPACE AND SHALL NOT PASS THROUGH ANY ATTIC, INSIDE WALL, CONCEALED SPACE OR FLOOR. 2022 CMC SECTION 802.7.3.2 AND 2022 CMC FIGURE 802.5.4

9. APPROVAL OF EQUIPMENT: LISTED AND UNLISTED EQUIPMENT SHALL COMPLY WITH THE 2022 CMC 302 PROVISIONS.

10. IGNITION SOURCE: HEATING AND COOLING EQUIPMENT LOCATED IN A GARAGE THAT GENERATES A GLOW, SPARK OR FLAME CAPABLE OF IGNITING FLAMMABLE VAPORS SHALL BE INSTALLED WITH SOURCES OF IGNITION AT LEAST 18 INCHES ABOVE THE FLOOR LEVEL. 2022 CMC 305.1

MARK MILLER SUTTER CREEK
41 NICKERSON APN 018-201-017

PLANS BY PEABODY PLANS & DESIGN
209.245.6516

WUI NOTES

BASED ON 2022 CRC N/A

GREEN CODE REQUIREMENTS
INDOOR FIXTURES SHALL NOT EXCEED THE FOLLOWING MAXIMUM FLOWS.2022 CGBSC SECTION 4.303

SHOWER HEAD	1.8 GPM @ 80 PSI
LAVATORY FAUCET	1.2 GPM @ 60 PSI
KITCHEN FAUCET	1.8 GPM @ 60 PSI
WATER CLOSET	1.28 GALLONS FLUSH

1. THE COMBINED FLOW RATE OF MULTIPLE SHOWERHEADS IN ONE SHOWER SHALL NOT EXCEED 1.8 GPM @ 80 PSI OR A VALVE SHALL BE INSTALLED WHICH ALLOWS OPERATION OF ONLY ONE SHOWER HEAD AT A TIME. 2022 CGBSC 4.303.1.3.2

2. ANNULAR SPACES AROUND PIPES, ELECTRICAL CABLES, CONDUITS OR OTHER OPENINGS IN PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR ACCEPTABLE METHOD. 2022 CGBSC 4.406.1

3. CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING: RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65% OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH EITHER 2019 CGBSC 4.408.1, 4.408.2, 4.408.3 OR 4.408.4, OR MEET A MORE STRINGENT LOCAL ORDINANCE. 2022 CGBSC 4.408

4. BUILDING OPERATION AND MAINTENANCE: AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DISC, WEB-BASED REFERENCE OR OTHER MEDIA ACCEPTABLE TO THE ENFORCING AGENCY SHALL BE PLACED IN THE BUILDING. 2022 CGBSC 4.410

5. FIREPLACES: ANY 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 EMISSION LIMITS AS APPLICABLE. 2022 CGBSC 4.503.1

6. POLLUTANT CONTROL: DURING STORAGE ON THE CONSTRUCTION SITE, THE DUCTS AND OTHER OPENINGS IN HVAC COMPONENTS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS WHICH MAY ENTER THE SYSTEM. 2022 CGBSC 4.504.1

7. ADHESIVES, SEALANTS AND CAULKS: ADHESIVES, SEALANTS AND CAULKS SHALL MEET VOC LIMITS AND STANDARDS PER 2022 CGBSC 4.504.2.1.

8. PAINTS AND COATINGS: ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS PER 2022 CGBSC 4.504.2.2.

9. AEROSOL PAINTS AND COATINGS: AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC. 2022 CGBSC 4.504.2.3

10. CARPET SYSTEMS: ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF THIS SECTION. 2022 CGBSC 4.504.3

11. RESILIENT FLOORING SYSTEMS: WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80% OF THE FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH THIS SECTION. 2022 CGBSC 4.504.4

12. COMPOSITE WOOD PRODUCTS: HARDWOOD PLYWOOD, PARTICLE BOARD AND MDF COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE PER THIS SECTION. 2022 CGSBC 4.504.5

13. INDOOR AIR QUALITY AND EXHAUST FANS: EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND COMPLY WITH 2022 CGSBC 4.506.1

14. ELECTRIC VEHICLE (EV) CHARGING FOR NEW CONSTRUCTION: NEW CONSTRUCTION SHALL COMPLY WITH SECTION 2022 CGSBC 4.106.4.1, 4.106.4.2 OR 4.106.4.3 TO FACILITATE FUTURE INSTALLATION AND USE OF EV CHARGERS. 2022 CGSBC 4.106.4

15. STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION: MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION PER 2022 CGSBC 4.106.2.

(2 ADDITIONAL BUILDING CODE NOTES)

SECTION R327
AGING-IN-PLACE DESIGN AND FALL PREVENTION

R32.1 AGING-IN-PLACE DESIGN AND FALL PREVENTION. NEWLY CONSTRUCTED DWELLINGS SUBJECT TO THE REQUIREMENTS OF THIS CODE SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH SECTION R327.1.1 THROUGH R327.1.4.

EXCEPTIONS:

1. COVERED MULTIFAMILY DWELLINGS DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CHAPTER 11A OF THE CALIFORNIA BUILDING CODE.
2. PUBLIC HOUSING AND PLACES OF PUBLIC ACCOMMODATION REQUIRED TO COMPLY WITH CHAPTER 11B OF THE CALIFORNIA BUILDING CODE.

R327.1.1 REINFORCEMENT FOR GRAB BARS. AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED IN ACCORDANCE WITH THIS SECTION. 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 SECTION.

1. REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY.
2. REINFORCEMENT SHALL NOT BE LESS THAN 2" X 8" (51 MM BY 203 MM) NOMINAL LUMBER. 1 1/2 INCH BY 7 1/4 INCH (38 MM BY 184 MM) ACTUAL DIMENSION OR OTHER CONSTRUCTION MATERIAL PROVIDING EQUAL HEIGHT AND LOAD CAPACITY. REINFORCEMENT SHALL BE LOCATED BETWEEN 32 INCHES (812.8 MM) AND 39 1/4 INCHES (997 MM) ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING.
3. WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.
4. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED.
5. BATHTUB AND COMBINATION BATHTUB/SHOWER REINFORCEMENT SHALL BE CONTINUOUS ON EACH SIDE OF THE BATHTUB AND BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES (152.4 MM) ABOVE THE BATHTUB RIM.

EXCEPTIONS:

1. 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 ENFORCING AGENCY.
2. REINFORCEMENT SHALL NOT BE REQUIRED IN WALL FRAMING FOR PRE-FABRICATED SHOWER ENCLOSURES AND BATHTUB WALL PANELS INTEGRAL FACTORY-INSTALLED GRAB BARS OR WHEN FACTORY-INSTALLED REINFORCEMENT FOR GRAB BARS IS PROVIDED.
3. 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.
4. 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 AGENCY.
5. REINFORCEMENT OF FLOORS SHALL NOT BE REQUIRED FOR BATHTUBS AND WATER CLOSETS INSTALLED ON CONCRETE SLAB FLOOR.

R327.1.1.1. DOCUMENTATION FOR GRAB BAR REINFORCEMENT. INFORMATION AND/OR DRAWINGS IDENTIFYING THE LOCATION OF GRAB BAR REINFORCEMENT SHALL BE PLACED IN THE OPERATION AND MAINTENANCE MANUAL IN ACCORDANCE WITH THE CALIFORNIA GREEN BUILDING CODE, CHAPTER 4, DIVISION 4.4.

R506.2.3 VAPOR RETARDER. A MINIMUM 10-MIL (0.010 INCH; 0.254 MM) VAPOR RETARDER CONFORMING TO ASTM E1745 CLASS A REQUIREMENTS WITH JOINTS LAPPED NOT LESS THAN 6 INCHES (152 MM) SHALL BE PLACED BETWEEN THE CONCRETE FLOOR SLAB AND THE BASE COURS OR THE PREPARED SUBGRADE WHERE A BASE COURSE DOES NOT EXIST.

EXCEPTION: THE VAPOR RETARDER IS NOT REQUIRED FOR THE FOLLOWING:

1. GARAGES, UTILITY BUILDINGS AND OTHER UNHEATED ACCESSORY STRUCTURES.
2. FOR UNHEATED STORAGE ROOMS HAVING AN AREA OF LESS THAN 70 SQUARE FEET (6.5M2) AND CARPORTS.
3. DRIVEWAYS, WALKS, PATIOS AND OTHER FLATWORK NOT LIKELY TO BE ENCLOSED AND HEATED AT A LATER DATE.
4. WHERE APPROVED BY THE BUILDING OFFICIAL, BASED ON LOCAL SITE CONDITIONS.

R337.1.5 VEGETATION MANAGEMENT COMPLIANCE. PRIOR TO BUILDING PERMIT FINAL APPROVAL, THE PROPERTY SHALL BE IN COMPLIANCE WITH THE VEGETATION MANAGEMENT REQUIRED PRESCRIBED IN CALIFORNIA FIRE CODE SECTION 4906 AND 4907, INCLUDING CALIFORNIA PUBLIC RESOURCE CODE 4291 OR CALIFORNIA GOVERNMENT CODE SECTION 51182. ACCEPTABLE METHODS OF COMPLIANCE INSPECTION AND DOCUMENTATION SHALL BE DETERMINED BY THE ENFORCING AGENCY AND SHALL BE PERMITTED TO INCLUDE ANY OF THE FOLLOWING:

1. LOCAL, STATE OR FEDERAL FIRE AUTHORITY OR DESIGNEE AUTHORIZED TO ENFORCE VEGETATION MANAGEMENT REQUIRED.
2. ENFORCING AGENCY.
3. THIRD PARTY INSPECTION AND CERTIFICATION AUTHORIZED TO ENFORCE VEGETATION MANAGEMENT REQUIREMENTS.
4. PROPERTY OWNER CERTIFICATION AUTHORIZED BY THE ENFORCING AGENCY.

SECTION R337.5
ROOFING

R337.5.1 GENERAL. ROOFS SHALL COMPLY WITH THE REQUIREMENTS OF SECTIONS R337 AND R902. ROOFS SHALL HAVE A ROOFING ASSEMBLY INSTALLED IN ACCORDANCE WITH IT'S LISTING AND THE MANUFACTURERS INSTALLATION INSTRUCTIONS. ROOF ASSEMBLIES IN THE FIRE HAZARD SEVERITY ZONE SHALL BE CLASS A RATING WHEN TESTED IN ACCORDANCE WITH ASTM E108 AND UL790.

R337.5.2 ROOF COVERINGS. WHERE THE ROOFING PROFILE HAS AN AIRSPACE UNDER THE ROOF COVERING, INSTALLED OVER A COMBUSTIBLE DECK, A 72 LB (32.7KG) CAP SHEET COMPLYING WITH ASTM D3909 STANDARD SPECIFICATIONS FOR "ASPHALT ROLLED ROOFING (GLASS FELT) SURFACED WITH MINERAL GRANULE'S," SHALL BE INSTALLED OVER THE ROOF DECK. BIRD STOPS SHALL BE USED AT THE EAVES WHEN THE PROFILE FITS, TO PREVENT DEBRIS AT EAVE, HIP AND RIDGE CAPS SHALL BE MUDDED IN TO PREVENT INTRUSION OF FIRE OR EMBERS.

EXCEPTION: CAP SHEET IS NOT REQUIRED WHEN NO LESS THAN 1 INCH OF MINERAL WOOL BOARD OR OTHER NONCOMBUSTIBLE MATERIAL IS LOCATED BETWEEN THE ROOFING MATERIAL AND WOOD FRAMING OR DECK.
ALTERNATELY, A CLASS A FIRE RATED ROOF UNDERLAYMENT, TESTED IN ACCORDANCE WITH ASTM E108, SHALL BE PERMITTED TO BE USED. IF THE SHEATHING CONSISTS OF EXTERIOR FIRE-RETARDENT-TREATED WOOD, THE UNDERLAYMENT SHALL NOT BE REQUIRED TO COMPLY WITH A CLASS A CLASSIFICATION. BIRD STOPS SHALL BE USED AND THE EAVES WHEN THE PROFILE FITS, TO PREVENT DEBRIS AT THE EAVE.HIP AND RIDGE CAPS SHALL BE MUDDED IN TO PREVENT INTRUSION OF FIRE OR EMBERS.

R337.5.3 ROOF VALLEYS. WHERE VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL NOT BE LESS THAN 0.019-INCH (0.48 MM) NO. 26 GAUGE GALVANIZED SHEET CORROSION-RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MINIMUM 72-POUND (33.4 KG) MINERAL-SURFACED NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D3909, AT LEAST 36" WIDE (914 MM) RUNNING THE FULL LENGTH OF THE VALLEY.

R337.5.4 ROOF GUTTERS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

SECTION R337.6
VENTS

R337.6.1 GENERAL. WHERE PROVIDED,VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATIONS, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CALIFORNIA BUILDING CODE AND SECTIONS R337.6.1 THROUGH R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THROUGH THE VENTILATION OPENINGS.

R337.6.2 REQUIREMENTS. VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED, BY COMPLYING WITH ALL THE FOLLOWING REQUIREMENTS:

1. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST.
2. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST.
3. THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662 DEGREES FAHRENHEIT (350 DEGREES C)

R337.6.2.1 OFF RIDGE AND RIDGE VENTS. VENTS THAT ARE INSTALLED IN THE SLOPED ROOF, SUCH AS DORMER VENTS, SHALL COMPLY WITH ALL THE FOLLOWING:

1. VENTS SHALL BE COVERED WITH A MESH WHERE THE DIMENSIONS OF THE MESH THEREIN SHALL BE A MINIMUM OF 1/16 INCH (1.6MM) AND SHALL NOT EXCEED 1/8 INCH (3.2 MM) IN DIAMETER.
2. THE MESH MATERIAL SHALL BE NONCOMBUSTIBLE.
3. THE MESH MATERIAL SHALL BE CORROSION RESISTANT.

SECTION R337.7
EXTERIOR COVERING

R337.7.1 SCOPE. THE PROVISIONS OF THIS SECTION SHALL GOVERN THE MATERIALS AND CONSTRUCTION METHODS USED TO RESIST BUILDING IGNITION AND/OR SAFEGUARD AGAINST THE INTRUSION OF FLAMES RESULTING FROM SMALL EMBER AND SHORT-TERM DIRECT FLAME CONTACT EXPOSURE.

R337.7.3 EXTERIOR WALL COVERINGS. THE EXTERIOR WALLCOVERING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING REQUIREMENTS, EXCEPT AS PERMITTED FOR EXTERIOR WALL ASSEMBLIES COMPLYING WITH SECTION R337.7.4:

1. NONCOMBUSTIBLE MATERIAL.
2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF R337.4.2.
3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF R2303.2 OF THE CALIFORNIA BUILDING CODE.

R337.7.3.1 EXTENT OF EXTERIOR WALL COVERINGS. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH (50.8 MM) NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN THE CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.

R337.7.4 EXTERIOR WALL ASSEMBLIES. EXTERIOR WALL ASSEMBLIES OF BUILDING OR STRUCTURES SHALL BE CONSTRUCTED USING ONE OR MORE OF THE FOLLOWING METHODS, UNLESS THEY ARE COVERED BY AN EXTERIOR WALL COVERING COMPLYING WITH SECTION R337.7.3:

1. ASSEMBLY OF SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENSION OF 4 INCHES (102 MM). SAWN OR GLUE-LAMINATED PLANKS SPLINED, TONGUE-AND-GROVE, OR SET CLOSE TOGETHER AND WELL SPIKED.
2. LOG WALL CONSTRUCTION ASSEMBLY.
3. ASSEMBLY THAT HAS BEEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES FOR A 10-MINUTE DIRECT FLAME CONTACT EXPOSURE TEST SET FORTH IN ASTM E2707 WITH THE CONDITIONS OF ACCEPTANCE SHOWN IN SECTION R337.7.4.1.
4. ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURE FOR A 10-MINUTE DIRECT FLAME CONTACT EXPOSURE TEST SET FORTH IN SFM STANDARD 12-7A-1.
5. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE WITH A 1-HOUR FIRE-RESISTANT RATING, RATED FROM THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.
6. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE CONTAINING ONE LAYER OF 5/8 INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR WALL COVERING OR CLADDING ON THE EXTERIOR SIDE OF THE FRAMING.
7. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE CONTAINING ANY OF THE GYPSUM AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL AS COMPLYING WITH A 1-HOUR FIRE-RESISTANT RATING, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.

R337.7.5 OPEN ROOF EAVES. THE EXPOSED ROOF DECK ON THE UNDERSIDE OF UNENCLOSED ROOF EAVES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING:

1. NONCOMBUSTIBLE MATERIAL.
2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF R704A.2.
3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF R2303.2 OF THE CALIFORNIA BUILDING CODE.
4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.
5. ONE LAYER 5/8 INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF THE ROOF DECK.
6. THE EXTERIOR PORTION OF A 1-HOUR FIRE-RESISTANT-RATED EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL263, APPLIED TO THE UNDER SIDE OF THE ROOF DECK DESIGNED FOR EXTERIOR FIRE EXPOSURE, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL.

EXCEPTION TO SECTION R337.7.5. THE FOLLOWING MATERIALS DO NOT PROTECTION:

FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS.

R337.7.6. ENCLOSED ROOF EAVES AND ROOF EAVE SOFFITS. THE EXPOSED UNDERSIDE OF ENCLOSED ROOF EAVES HAVING EITHER A BOXED-IN ROOF EAVE SOFFIT WITH A HORIZONTAL UNDERSIDE, OR SLOPING RAFTER TAILS WITH AN EXTERIOR COVERING APPLIED TO THE UNDERSIDE OF THE RAFTER TAILS, SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING:

1. NONCOMBUSTIBLE MATERIAL.
2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF R337.4.2..
3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF R2303.2 OF THE CALIFORNIA BUILDING CODE.
4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.
5. ONE LAYER 5/8 INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF THE RAFTER TAILS OR SOFFIT.
6. THE EXTERIOR PORTION OF A 1-HOUR FIRE-RESISTANT-RATED EXTERIOR ASSEMBLY APPLIED TO THE UNDER SIDE OF THE RAFTER TAILS OR SOFFIT, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL.
7. BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION R337.7.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957.
8. BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3.

EXCEPTION TO SECTION R337.7.6: THE FOLLOWING MATERIALS DO NOT REQUIRE PROTECTION:

FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS.

R337.8.2.1 EXTERIOR WINDOWS, SKYLIGHTS AND EXTERIOR GLAZED DOOR ASSEMBLY REQUIREMENTS. EXTERIOR WINDOWS, SKYLIGHTS AND EXTERIOR GLAZED DOOR ASSEMBLIES SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS:

1. BE CONSTRUCTED OF MULTIPANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION R308 SAFETY GLAZING, OR
2. BE CONSTRUCTED OF GLASS BLOCK UNITS, OR
3. HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 257, OR
4. BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2.

R337.8.2.2 OPERABLE SKYLIGHTS. OPERABLE SKYLIGHTS SHALL BE PROTECTED BY A NONCOMBUSTIBLE MESH SCREEN WHERE THE DIMENSIONS OF THE OPENINGS IN THE SCREEN SHALL NOT EXCEED 1/8 INCH (3.2 MM).

R337.8.2.3 STRUCTURAL GLASS VENEER. THE WALL ASSEMBLY BEHIND STRUCTURAL GLASS VENEER SHALL COMPLY WITH SECTION R337.7.3 EXTERIOR WALLS.

R337.8.3 EXTERIOR DOORS. EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING:

1. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NONCOMBUSTIBLE MATERIAL, OR
2. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF IGNITION-RESISTANT MATERIAL, OR
3. THE EXTERIOR DOOR SHALL BE CONSTRUCTED OF SOLID CORE WOOD THAT COMPLIES WITH THE FOLLOWING REQUIREMENTS:
   3.1 STILES AND RAILS SHALL NOT BE LESS THAN 1 3/8 INCHES THICK.
   3.2 PANELS SHALL NOT BE LESS THAN 1 1/4 INCHES THICK, EXCEPT FOR THE EXTERIOR PERIMETER OF THE PANEL THAT SHALL BE PERMITTED TO BE TAPER TO A TONQUE NOT LESS THAN 3/8 INCH THICK.
4. THE EXTERIOR DOOR ASSEMBLY SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 252.
5. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SECTION R337.7.3.1 WHEN TESTED IN ACCORDANCE WITH ASTM E2707.
6. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1.

R337.8.3.1 EXTERIOR DOOR GLAZING. GLAZING IN EXTERIOR DOORS SHALL COMPLY WITH SECTION R337.8.2.1.

R337.8.4. GARAGE DOOR PERIMETER GAP. EXTERIOR GARAGE DOORS SHALL RESIST THE INTRUSION OF EMBERS ENTERING BY PREVENTING GAPS BETWEEN DOORS AND DOOR OPENINGS, AT THE BOTTOM, SIDES AND TPS OF DOORS, FROM EXCEEDING 1/8 INCH (3.2 MM). GAPS BETWEEN DOORS AND DOOR OPENINGS SHALL BE CONTROLLED BY ONE OF THE FOLLOWING METHODS:

1. WEATHER STRIPPING PRODUCTS MADE OF MATERIALS THAT: (A) HAVE BEEN TESTED FOR TENSILE STRENGTH IN ACCORDANCE WITH ASTM D638 (STANDARD TEST METHOD FOR TENSILE PROPERTIES OF PLASTICS) AFTER EXPOSURE TO ASTM G155 (STANDARD PRACTICE FOR OPERATING XENON ARC LIGHT APPARATUS FOR EXPOSURE TO NON-METALLIC MATERIALS) FOR A PERIOD OF 2,000 HOURS, WHERE THE MAXIMUM ALLOWABLE DIFFERENCE IN TENSILE STRENGTH VALUES BETWEEN EXPOSED AND NONEXPOSED SAMPLES DOES NOT EXCEED 10 PERCENT AND (B) EXHIBIT A V-2 OR BETTER FLAMMABILITY RATING WHEN TESTED TO UL94, STANDARD FOR TESTS FOR FLAMMABILITY OF PLASTIC MATERIALS FOR PARTS IN DEVICES AND APPLIANCES.
2. DOOR OVERLAPS ONTO JAMBS AND HEADERS.
3. GARAGE DOOR JAMBS AND HEADERS COVERED WITH METAL FLASHING.

SECTION R337.9
DECKING

R337.9.1 GENERAL. THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION.
R337.9.1.1 FLASHING. A MINIMUM OF A 6-INCH (150 MM) METAL FLASHING, APPLIED VERTICALLY ON THE EXTERIOR OF THE WALL, SHALL BE INSTALLED AT ALL DECK-TO-WALL INTERSECTIONS.

R337.9.2 WHERE REQUIRED. THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION WHEN ANY PORTION OF SUCH SURFACE IS WITHIN 10 FEET (3048 MM) OF THE BUILDING.

R337.9.3 DECKING SURFACES. THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS SHALL BE CONSTRUCTED WITH ONE OF THE FOLLOWING MATERIALS:

1. MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF SECTION R337.9.4 WHEN TESTED IN ACCORDANCE WITH BOTH ASTM E2632 AND ASTM E2726.
2. IGNITION-RESISTANT MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF SECTION R337.9.4.
3. MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF BOTH SFM STANDARD 12-7A-4 AND SECTION R337.4.3.
4. EXTERIOR FIRE-RETARDANT-TREATED WOOD.
5. NONCOMBUSTIBLE MATERIAL.
6. ANY MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-4A WHEN ATTACHED EXTERIOR WALL COVERING IS ALSO COMPOSED OF NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIAL.

EXCEPTION: WALL MATERIAL SHALL BE PERMITTED TO BE OF ANY MATERIAL THAT OTHERWISE COMPLIES WITH THIS CHAPTER WHEN THE DECKING SURFACE MATERIAL COMPLIES WITH THE PERFORMANCE REQUIREMENTS ASTM E84 WITH A CLASS B FLAME SPREAD INDEX.

7. ANY MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF SECTION R337.9.5 WHEN TESTED IN ACCORDANCE WITH ASTM E2632 AND WHEN ATTACHED EXTERIOR WALL COVERING IS ALSO COMPOSED OF ONLY NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIALS.

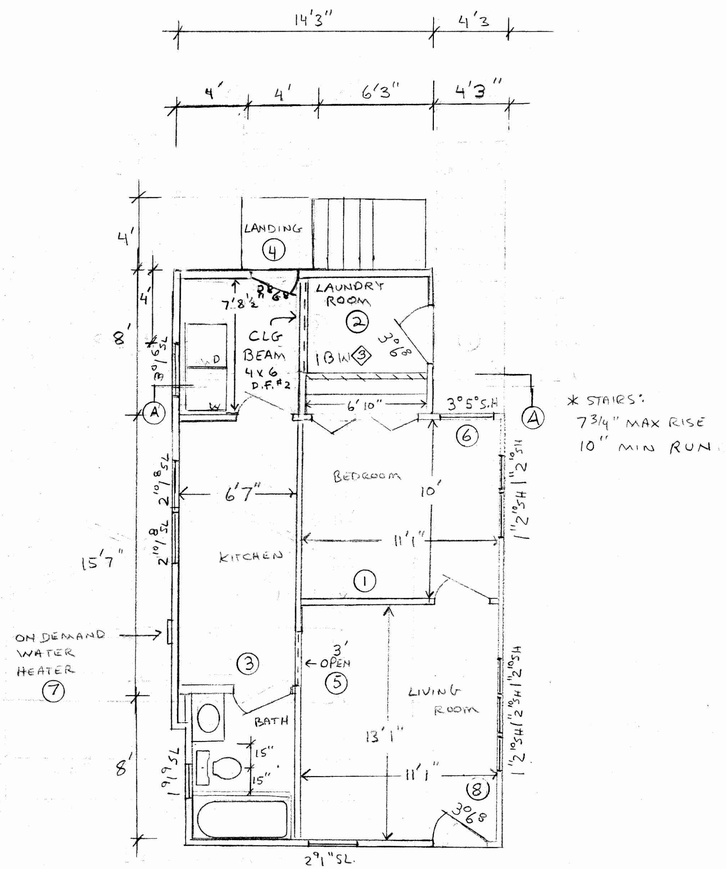
EXCEPTION: WALL MATERIAL SHALL BE PERMITTED TO BE OF ANY MATERIAL THAT OTHERWISE COMPLIES WITH THIS CHAPTER WHEN THE DECKING SURFACE MATERIAL COMPLIES WITH THE PERFORMANCE REQUIREMENTS ASTM E84 WITH A CLASS B FLAME SPREAD INDEX.

MARK MILLER
411 NICKERSON
SUTTER CREEK
APN 018-201-017

PLANS BY PEABODY PLANS & DESIGN
209.245.6516

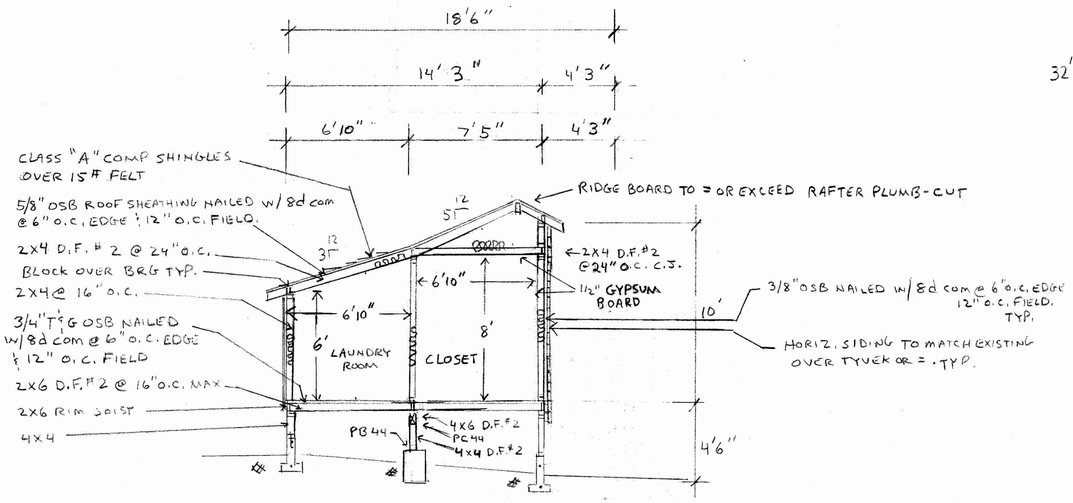
REMODEL DETAILS

1. MOVE BED ROOM WALL 2' INTO LIVING ROOM.
2. REMOVE EXISTING 8'3" X 8'6" LAUNDRY ROOM & BUILD A NEW 8' X 14'3½" LAUNDRY ROOM WITH A PERIMETER FOUNDATION AND A CLOSET FOR BEDROOM. THIS ADDS 44" TO (E) DWELLING.
3. MOVE BATH ROOM WALL 1'9" INTO KITCHEN & REMODEL BATHROOM.
4. BUILD A NEW LANDING & STAIRS OFF NEW LAUNDRY ROOM.
5. ADD A HEADER & RELOCATE DOOR OPENING FROM KITCHEN TO LIVING ROOM.
6. CHANGE BEDROOM WINDOW TO A 3°5° S.H EGRESS WINDOW.
7. INSTALL AN ON DEMAND WATER HEATER ON EXTERIOR OF KITCHEN WALL.
8. CHANGE EXISTING 2⁸6⁸ DOOR TO A 3°6⁸ DOOR.

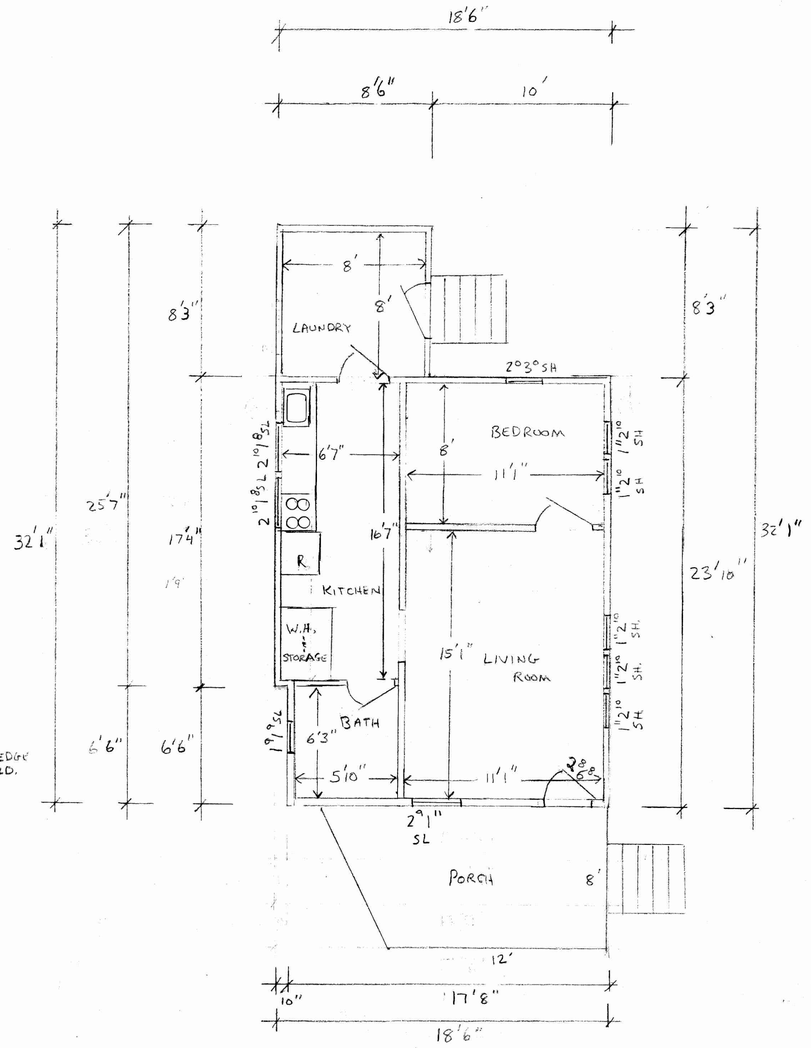


* STAIRS:
7¾" MAX RISE
10" MIN RUN.

- REMODELED FLOOR PLAN -
1/4" = 1'



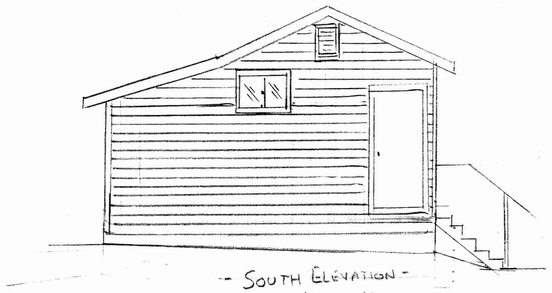
SECTION A-A
1/4" = 1'



- EXISTING FLOOR PLAN -
1/4" = 1'

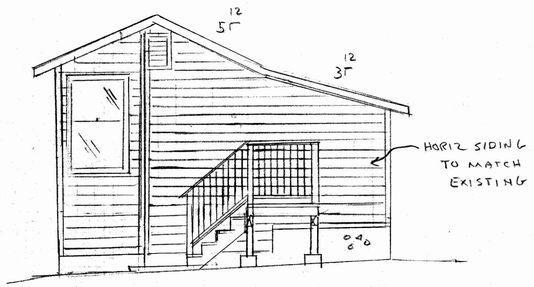
MARK MILLER
41 NICKERSON
SUTTER CREEK
APN 018-201-017

PEABODY PLANS & DESIGN
209 245-6516

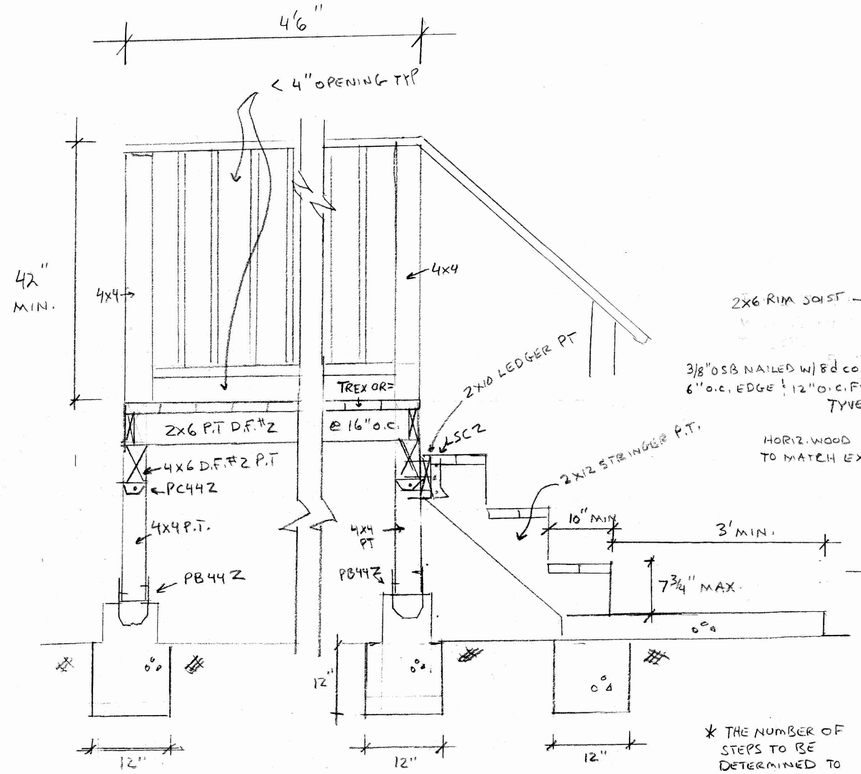


- SOUTH ELEVATION -
1/4" = 1'

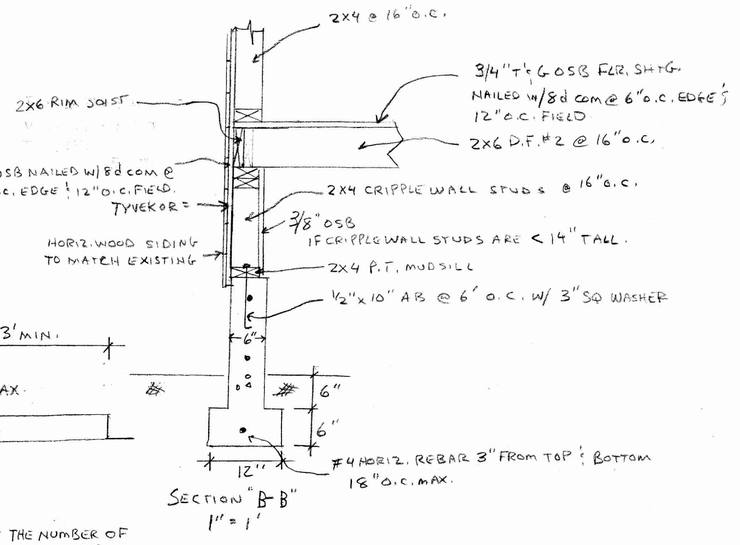
CONTRACTOR TO MATCH EXISTING ROOF SLOPES



NORTH ELEVATION
1/4" = 1'

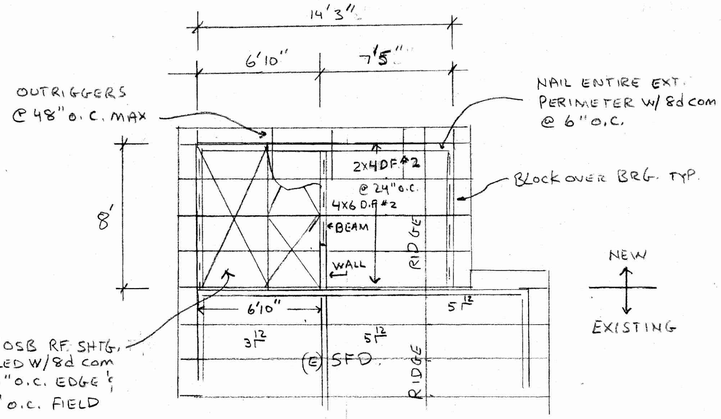


SECTION "C-C"
1" = 1'

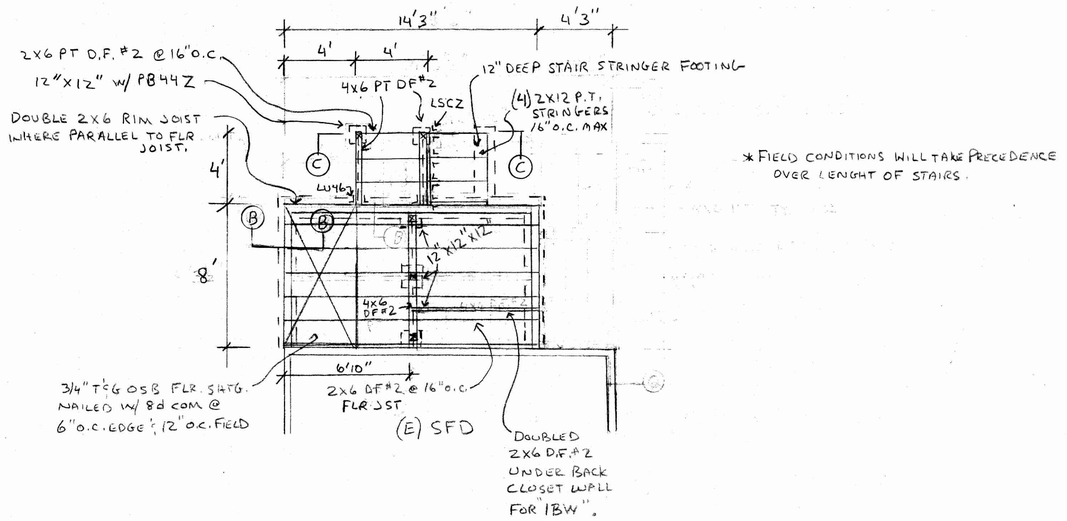


SECTION "B-B"
1" = 1'

* THE NUMBER OF STEPS TO BE DETERMINED TO FIT FIELD CONDITIONS



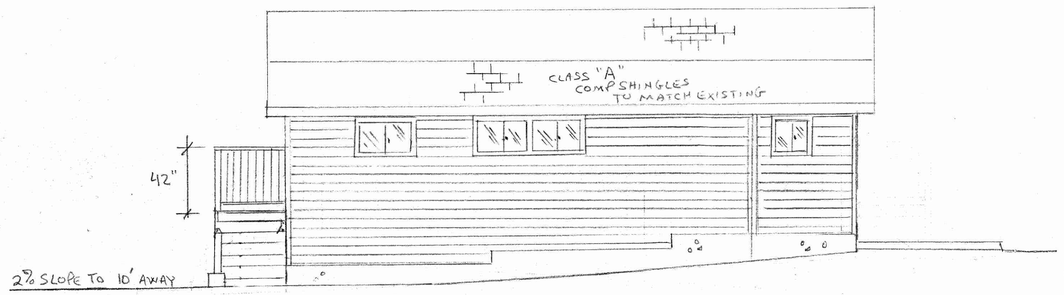
- ROOF PLAN -
1/4" = 1'



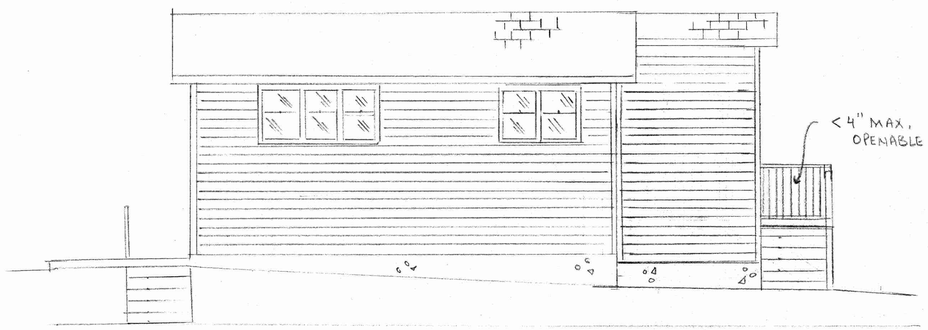
* FIELD CONDITIONS WILL TAKE PRECEDENCE OVER LENGHT OF STAIRS.

FOUNDATION PLAN AT LAUNDRY/LANDING/STAIRS
1/4" = 1'

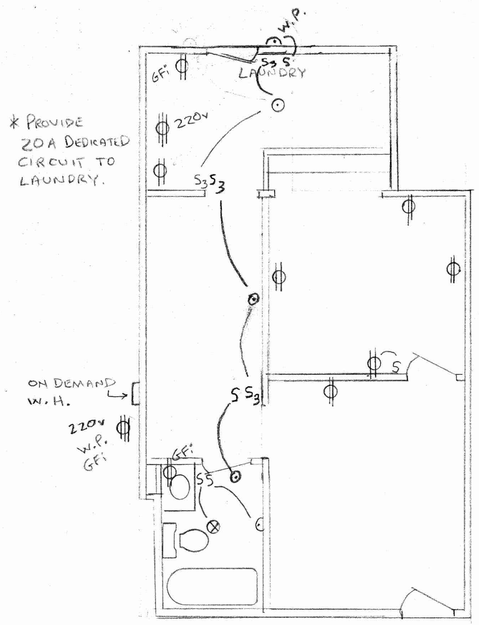
MARK MILLER
NICKERSON
SUTTER CREEK
APN 018-201-017
PEABODY PLANS & DESIGN
209 245-6516



- WEST ELEVATION -
1/4" = 1'



EAST ELEVATION
1/4" = 1'



- UTILITY PLAN -
1/4" = 1'

MARK MILLER
41 NICKERSON
SUTTER CREEK
APN 018-201-017
PEABODY PLANS & DESIGN
209 245-6516