

**BEST MANAGEMENT PRACTICES
FOR CONSTRUCTION ACTIVITIES***

**Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Development Construction
Projects/Certification Statement**

The following is intended as minimum notes or as an attachment for building and grading plans and represent the minimum standards of good housekeeping that must be implemented on all construction sites regardless of size. (Applies to all permits)

- Every effort should be made to eliminate the discharge of non-stormwater from the project site at all times.
- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.

"I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that submitting false and/or inaccurate information, failing to update the ESCP to reflect current conditions, or failing to properly and/or adequately implement the ESCP may result in revocation of grading and/or other permits or other sanctions provided by law."

Print Name _____
(Owner or authorized agent of the owner)

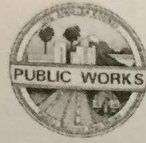
Signature _____ Date _____
(Owner or authorized agent of the owner)

*The above Best Management Practices are detailed in the latest edition of the California BMP Handbook or Caltrans Stormwater Quality Handbooks.

- e. A permanent 120V receptacle outlet and a lighting fixture shall be installed near the appliance. Light switch shall be located at the entrance to the passageway. (MC 304.4.4)
- f. A type B or L gas vent shall terminate not less than 5 feet above the highest connected appliance flue collar or draft hood. (MC 802.6.2.1)
- g. Appliance installation shall meet all listed clearances. (MC 303.1)
13. Clothes dryer exhaust duct shall terminate on the outside of the building in accordance with Section 502.2.1 and shall be equipped with a back-draft damper. Screens shall not be installed at the duct termination. (MC 504.4)
14. Clothes dryer moisture exhaust duct shall be 4 inches in diameter and is limited to a total combined horizontal and vertical length of 14 feet, including two 90 degree elbows from the clothes dryer to point of termination. Duct length shall be reduced by 2 feet for each 90 degree elbow in excess of two. (MC 504.4.2)
15. Appliances (water heater, furnace, etc.) located in the garage shall be installed so that burners and burner-ignition devices are located not less than 18 inches above the floor, unless listed as flammable vapor ignition resistant. (MC 305.1)
16. Ducts shall be sized per Chapter 6 of the Mechanical Code.
17. Flush volumes of plumbing fixtures and flow rates of plumbing fittings shall comply with Section 4.303 of the Green Code.
18. ABS and PVC DWV piping installations are limited to not more than two stories of areas. (PC 701.2(2))
19. All showers and tub-showers shall have a pressure balance, thermostatic, or combination pressure balance/thermostatic mixing type valve. (PC 408.3)
20. All new, replacement and existing water heaters shall be strapped to the wall in two places. One on the upper 1/3 of the tank, and one on the lower 1/3 of the tank. The lower point shall be a minimum of 4 inches above the controls. (PC 507.2)
21. Plumbing plan check and approval is required for 2 inch and larger water lines, 2 inch and larger gas lines, or any gas line with a pressure of 2psi and higher.
22. Ground-fault circuit-interruption (GFCI) for personnel shall be provided in bathrooms, garages, non-habitable accessory structures at or below grade level, outdoor locations, crawl spaces at or below grade level, non-habitable basements, kitchens where the receptacles serve counter-top surfaces, locations within 6ft of the outside edge of sinks/bathtubs/showers, bathrooms, and laundry areas. The GFCI shall be installed in the readily accessible location. (EC 210.8(A))
23. Arc-fault circuit-interruption (AFCI) protection shall be provided in all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets or devices installed in kitchens, habitable rooms, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar rooms or areas, by any means described in 210.12(A). (EC 210.12(A))
24. In any of the areas specified in item 23, where existing branch-circuit wiring is modified, replaced, or extended by more than 6ft and/or adds any outlet or device, the branch circuit shall be protected by one of the following:
 - a. A listed combination-type AFCI located at the origin of the branch circuit. (EC 210.12(B))
 - b. A listed outlet branch-circuit type AFCI located at the first receptacle outlet of the existing branch circuit. (EC 210.12(B))
25. Tamper-resistant receptacles shall be installed in all areas specified in 210.52, all nonlocking-type 12-volt, 15- and 20-ampere receptacles shall be listed tamper-resistant receptacles. (EC 406.12)
26. Where NM cable (Romex) is run across the top of joists and/or where the attic is not accessible by permanent stairs or ladders, protection within 6 feet of the nearest edge of the scuttle or attic entrance shall be provided. (EC 334.23, 320.23(A))

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**COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION**

**RESIDENTIAL PLAN
GENERAL NOTES**

GENERAL PROJECT INFORMATION

PLAN CHECK NO. _____ DISTRICT NO. _____
JOB ADDRESS _____ CITY _____ ZIP _____

NOTE: Numbers in the parenthesis () refer to sections of the 2017 edition of the County of Los Angeles Building Code (BC), Residential Code (RC), Plumbing Code (PC), Mechanical Code (MC), Electrical Code (EC), and Green Building Standards Code (GC).

INSTRUCTIONS

- The following notes must be included on the plans.

SECURITY REQUIREMENTS

1. Exterior doors, doors between a house and a garage, windows and their hardware shall conform to the Security Provisions of Chapter 67 of the County of Los Angeles Building Code.
 - a. Single swinging doors, active leaf of a pair of doors, and the bottom leaf of Dutch doors shall be equipped with a latch and a deadbolt. If the latch has a key-locking feature, a dead latch shall be used. The deadbolt lock shall be key operated from the exterior side of the door, and operated from the interior side of the door by a device not requiring a key, tool, or excessive force. Deadbolts shall have a hardened insert with 1" minimum throw and 5/8" minimum embedment into the jamb. (BC 6709.2)
 - b. Inactive leaf of a pair of doors and the upper leaf of Dutch doors shall have a deadbolt as per paragraph "a", unless it is not key operated from the exterior, or has a hardened deadbolt at top and bottom with 1/2" embedment. (BC 6709.3)
 - c. Swinging wood door(s) shall be solid core not less than 1-3/8" thick. (BC 6709.1.1)
 - d. Panels of wood doors shall be 9/16" thick and not more than 300 sq. inches. Stiles and rails to be 1-3/8" thick and 3" minimum width. (BC 6709.1.2)
 - e. Door hinge pins accessible from the outside shall be non-removable. (BC 6709.5)
 - f. Door stops of wood jambs of in-swinging doors shall be one piece construction or joined by a rabbet. (BC 6709.4)
 - g. Windows and door lights within 40" of the locking device of the door shall be fully tempered/approved burglary resistant/protected by bars, screens or grills. (BC 6714)
 - h. Overhead and sliding garage doors shall be secured with a cylinder lock, a padlock with a hardened steel shackle, or equivalent when not otherwise locked by electric power operation. Jamb locks shall be on both jambs for doors exceeding 9 feet in width. (BC 6711)
2. Notching of studs in exterior or bearing walls shall not exceed 25% of its width. Notching of studs in non-bearing walls shall not exceed 40% of its width. Bored holes in studs shall not exceed 60% of its width, shall not be closer than 5/8" to the edge of the stud, and shall not be located in the same section as a cut or notch. Studs located in exterior or bearing walls shall be doubled if bored over 40% and up to 60% of its width. (R 302.9, 302.10)
3. Wall and Ceiling finishes shall have a flame spread index of not greater than 200, and a smoke-developed index not greater than 450. Insulation materials shall have a flame spread index not to exceed 25, and a smoke-developed index not to exceed 450. (R 302.9, 302.10)
4. Provide fire blocking in concealed spaces of combustible stud walls, partitions, including furred spaces, at the ceiling and floor level, at 10-foot intervals both vertical and horizontal, and between stair stringers at the top and bottom. (R 302.11)
5. Ducts installed under a floor in a crawl space shall not prevent access to an area of the crawl space. Where it is required to move under ducts for access to areas of the crawl space, a vertical clearance of 18" minimum shall be provided. (MC 603.1)
6. Where flashing is of metal, the metal shall be corrosion resistant with a thickness of not less than .019 inch (No. 26 galvanized sheet). (R 903.2.1)

CONSTRUCTION REQUIREMENTS

1. Sliding glass doors and sliding glass windows shall be capable of withstanding the tests set forth in Section 6706 and 6707 of the Los Angeles County Building Code and shall bear a label indicating compliance with these tests. Locking devices on sliding glass doors complying with Section 1010 and 1030, and emergency egress windows complying with Section 1030, shall be releasable from the inside without the use of a key, tool, or excessive force. (BC 6710, 6715)

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**COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION**

**GREEN BUILDING
STANDARDS CODE
GENERAL NOTES**

GENERAL PROJECT INFORMATION

PLAN CHECK NO. _____ DISTRICT NO. _____
JOB ADDRESS _____ CITY _____ ZIP _____

NOTE: Numbers in the parenthesis () refer to sections of the 2017 edition of the County of Los Angeles Green Building Standards Code, Table (T).

INSTRUCTIONS

- The following notes must be included on the plans.

GENERAL REQUIREMENTS

1. Plumbing fixtures and fixture fittings on the plans shall comply with the following flow rates:
 - a. Water Closets – 1.28 GPF
 - b. Urinals – 0.5 GPF
 - c. Wall-mounted urinal – 0.125 GPF
 - d. Single showerhead – 2.0 GPM at 80psi
 - e. Multiple showerheads – 2.0 GPM at 80psi for all combined showerheads
 - f. Lavatory faucets – 1.2 GPM at 60psi
 - g. Lavatory faucets in public use areas – 0.5 GPM at 60psi
 - h. Metering faucets - .25 gallons per cycle
 - i. Kitchen faucets – 1.8 GPM at 60psi (4.303.1)
2. Annular spaces around pipes, electrical cables, conduits, or 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. (4.406.1)
3. Fireplaces shall be direct vent sealed combustion type. Indicate on the plans the manufacturer name and model number. (4.503.1)
4. 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, plastic, sheetmetal, or other acceptable methods to reduce the amount of water, dust and debris which may enter the system. (4.504.1)
5. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19% moisture content. Insulation products which are visibly wet or have high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. (4.505.3)
6. All mechanical exhaust fans in rooms with a bathtub or shower shall comply with the following:
 - a. Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.
 - b. Fans must be controlled by a readily accessible humidistat unless functioning as a component of a whole house ventilation system. Humidity control shall be capable of adjustment between a relative humidity range of 50% and 80%. (4.506.1)
7. Adhesives, sealants and caulks shall meet or exceed the standards outlined in Section 4.504.2.1 and comply with the VOC limits in Tables 4.504.1 and 4.504.2 as applicable. (4.504.2.1)
8. Paints and coatings shall meet or exceed the standards outlined in Section 4.504.2.2 and comply with the VOC limits in Table 4.504.3. (4.504.2.2)
9. Aerosol paints and coatings shall meet or exceed the standards outlined in Section 4.504.2.3. (4.504.2.3)
10. All carpet installed in the building interior shall meet all the testing and product requirements of one of the following:
 - a. Carpet and Rug Institute's Green Label Plus Program OR
 - b. California Department of Public Health Standard Method for the testing of VOC Emissions (Specification 01350) OR
 - c. NSF/ANSI 140 at the Gold Level OR
 - d. Scientific Certifications Systems' Indoor Advantage Gold (4.504.3)
11. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label Program. Carpet adhesives shall not exceed a VOC limit of 50 g/L. (4.504.3.1, 4.504.3.2)

Residential 2017 Green Building Standard Notes

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7. Roof diaphragm nailing to be inspected before covering. Wood structural panel sheathing shall comply with Section R603.2. (R 603)
8. End joints in lumber used as subflooring shall occur over supports, unless end-matched lumber is used, in which case each piece shall bear on not less than two joists. Wood structural panel sheathing used for structural purposes shall comply with Section R503.2. (R 503)

GLAZING REQUIREMENTS

9. The following shall be considered specific hazardous locations requiring safety glazing per Section R308:
 - a. Glazing in fixed and operable panels of swinging, sliding, and bifold doors.
 - b. Glazing in fixed or operable panels adjacent to a door where the bottom exposed edge of the glazing is less than 60 inches above the walking surface and it meets either of the following conditions:
 1. Where the glazing is within 24 inches of either side of the door in the plane of the door in a closed position.
 2. Where the glazing is on a wall perpendicular to the plane of the door in a closed position and within 24 inches of the hinge side on an in-swinging door.
 - c. Window glazing in an individual fixed or operable panel, that meets all of the following conditions:
 1. The exposed area of an individual pane is larger than 9 square feet.
 2. The bottom edge is less than 18 inches above the floor.
 3. The top edge is more than 36 inches above the floor.
 - d. Glazing in guards, railings, structural baluster panels, and nonstructural in-fill panels, regardless of area or height above a walking surface.
 - e. Glazing in walls, enclosures or fences containing or facing hot tubs, spas, whirlpools, saunas, steam rooms, bathtubs, showers, and indoor or outdoor swimming pools, where all of the following conditions are present:
 1. The bottom edge of the glazing is less than 60 inches above any standing or walking surface.
 2. The glazing is within 60 inches, measured horizontally and in a straight line, from the water's edge of a hot tub, spa, whirlpool, bathtub, or swimming pool, or from the edge of a shower, sauna or steam room.

1. Where the glazing is within 24 inches of either side of the door in the plane of the door in a closed position.
2. Where the glazing is on a wall perpendicular to the plane of the door in a closed position and within 24 inches of the hinge side on an in-swinging door.
- c. Window glazing in an individual fixed or operable panel, that meets all of the following conditions:
 1. The exposed area of an individual pane is larger than 9 square feet.
 2. The bottom edge is less than 18 inches above the floor.
 3. The top edge is more than 36 inches above the floor.
- d. Glazing in guards, railings, structural baluster panels, and nonstructural in-fill panels, regardless of area or height above a walking surface.
- e. Glazing in walls, enclosures or fences containing or facing hot tubs, spas, whirlpools, saunas, steam rooms, bathtubs, showers, and indoor or outdoor swimming pools, where all of the following conditions are present:
 1. The bottom edge of the glazing is less than 60 inches above any standing or walking surface.
 2. The glazing is within 60 inches, measured horizontally and in a straight line, from the water's edge of a hot tub, spa, whirlpool, bathtub, or swimming pool, or from the edge of a shower, sauna or steam room.

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- f. Glazing adjacent to stairs and ramps where the bottom exposed edge is less than 36 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs, and ramps, unless the glazing is 36 inches or more measured horizontally from the walking surface, or a rail is designed per Section R308.4.6.
- g. Glazing adjacent to the landing at the bottom of a stairway where the glazing is less than 36 inches above the landing and within a 60-inch horizontal arc less than 180 degrees from the bottom tread nosing, unless the glazing is more than 18 inches from a protective guard per Section R312.

MECHANICAL/PLUMBING/ELECTRICAL CODE REQUIREMENTS

10. Dwelling shall be provided with comfort heating facilities capable of maintaining a room temperature of 68 degrees F at a point 3 feet above the floor and 2 feet from exterior walls. (R303.9)
11. The following are required for central heating furnaces and low-pressure boilers in a compartment:
 - a. Listed appliances shall be installed with clearances in accordance with the terms of their listings and the manufacturer's installation instructions. (MC 904.2(1))
 - b. Unlisted appliances shall meet both the clearances in Table 904.2, and the clearances allowed by the manufacturer's installation instructions. (MC 904.2(2))
 - c. When combustion air is taken from inside, the free area of combustion air openings shall be 1 sq. inch per 1,000 BTU (100 sq. inch minimum) per opening. One Opening shall be within 12 inches of the top of the enclosure and the second shall be within 12 inches of the bottom of the enclosure. The dimension shall not be less than 3 inches. (MC 701.5(1))
 - d. Not less than 1/4 of an inch screen mesh is required at openings where combustion air is taken from the outside. (MC 701.10(1))
 - e. Separate ducts shall be used for upper and lower combustion air openings, and maintained to the source of combustion air. (MC 701.11(4))
12. The following are required for appliances installed in an attic:
 - a. An opening and passageway shall not be less than 22 inches by 30 inches, and not less than the size of the largest component of the appliance. (MC 304.4)
 - b. Where the passageway height is less than 6 feet, the distance from access to the appliance shall not exceed 20 feet, as measured along the centerline. (MC 304.4.1)
 - c. Passageway shall be unobstructed and shall have solid flooring not less than 24 inches wide from entrance to appliance. (MC 304.4.2)
 - d. A level working platform not less than 30 inches by 30 inches is required in front of the service side of the appliance. (MC 304.4.3)

TABLE 4.504.5/TABLE 5.504.4.5 FORMALDEHYDE LIMITS ¹	
Maximum Formaldehyde Emissions in Parts per Million	
PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard ²	0.13

TABLE 4.504.2/TABLE 5.504.4.2 SEALANT VOC LIMIT	
Less Water and Less Exempt Compounds in Grams Per Liter	
SEALANTS	VOC LIMIT
Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	VOC LIMIT
Architectural	250
Nonporous	775
Modified bituminous	500
Marine deck	760
Other	750

¹ Note: For additional information regarding methods to measure the VOC content, specified in this table, see South Coast Air Quality Management District Rule 1108.

TABLE 4.504.1/TABLE 5.504.4.1 ADHESIVE VOC LIMIT ¹		
Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds		
	VOC LIMIT	
ARCHITECTURAL APPLICATIONS		
Indoor carpet adhesives	50	
Carpet pad adhesives	150	
Outdoor carpet pad adhesives	150	
Wood flooring adhesives	100	
Rubber floor adhesives	60	
Subfloor adhesives	60	
Ceramic tile adhesives	65	
VCT and asphalt tile adhesives	50	
Drywall and panel adhesives	50	
Cove base adhesives	50	
Multipurpose construction adhesives	70	
Structural glazing adhesives	250	
Single-ply roof membrane adhesives	100	
Other adhesives	50	
SPECIALTY APPLICATIONS		
PVC welding	510	
SPVC welding	490	
ABS welding	325	
Plastic cement welding	250	
Adhesive primer for plastic	550	
Contact adhesive	80	
Special purpose contact adhesive	250	
Structural wood member adhesive	250	
Top and trim adhesive	140	
SUBSTRATE SPECIFIC APPLICATIONS		
Metal to metal	30	
Plastic to plastic	50	
Porous material (except wood)	50	
Wood	30	
Fiberglass	80	
¹ If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.		
² For additional information regarding methods to measure the VOC content, specified in this table, see South Coast Air Quality Management District Rule 1108.		

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PURPOSE OF PERMIT, PROPOSE AS FOLLOW
DEMO EXISTING UNIT--892
NEW UNIT--892: 3--BEDROOMS 2--BATH WITH ATTACH GARAGE.
EXISTING HOUSE TO BE DEMO AREA= 550. SQ. FT.
NEW UNIT--892 AREA= 1,365. SQ. FT.
NEW GARAGE AREA= 420. SQ. FT. } = 1,785. SQ.FT.
LOT SIZE: AREA= 22,924. SQ.FT.
LOT COVERAGE: 6,138. SQ.FT. - 2,062 = 4,076. SQ.FT.
OCCUPANCY GROUP : R-3/U TYPE CONSTRUCTION : V-B OCCUP. LOAD <10

FIRE SPRINKLERS ARE NOT REQUIRED

SUMMARY

1

CONSTRUCTION DESIGN

JAIME MURILLO 3241 SANTA ANA ST.
(909) 762-9278 HUNTINGTON PARK, CA. 90225

DESIGNER

2

PERFECT DESIGN & DEVELOPMENT, INC.

EMIL G. CABAL 2416 W. VALLEY BLVD.
(626) 289-8808 ALHAMBRA, CA. 91803

TITLE 24-6

3

OWNER TEAR KIMBERLY
2627 ALTAMIRA DR. (626)537-0061
WEST COVINA, CA. 91792

4

ARCHITECTURAL	A-0.1	GENERAL NOTES AND TITLE SHEET
	A-0.2	GREEN BUILDING CODE
	A-1.0	SITE PLAN, & 1st FLOOR PLAN
	A-2.0	2nd FLOOR PLAN, ROOF PLAN & ELEVATIONS
STRUCTURAL	S-1.0	FOUNDATION PLAN & ROOF FRAMING PLAN
	S-2.0	FULL HI. CROSS SECTION
	ST1	GENERAL NOTES AND FOUNDATION DETAILS
	ST2	FRAMING DETAILS
T-24	SSF2	SIMPSON STEEL STRONG WALL
	CF-1	PERFORMANCE INFORMATION SINGLE HOUSE
	CF-2	HVAC SYSTEM SUMMARY SINGLE HOUSE
	CF-3	HVAC SYSTEM SUMMARY SINGLE HOUSE
MECHANICAL	M-1	MECHANICAL GENERAL NOTES
	M-2	MECHANICAL DETAILS

INDEX OF DRAWINGS

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STRUCTURAL DESIGN AND DETAILS FULLY CONFORM TO ALL APPROPRIATE REQUIREMENTS OF THE CALIFORNIA RESIDENTIAL CODE, SHOULD A PORTION OR ALL OF THE STRUCTURAL DESIGN CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE. THE FULL STRUCTURAL DESIGN IS IN CONFORMANCE WITH THE STRUCTURAL REQUIREMENTS OF THE CALIFORNIA BUILDING CODE. (R301.1.3 CRC)

APPLICABLE CODES
COMPLIANCE WITH CITY OF POMONA MUNICIPAL CODE.
THE GOVERNING CODES FOR THIS PROJECT ARE: 2016 CRC
THE 2016 CBC, 2016 CFC, 2016 CPC, 2016 CMC, 2016 CEC,
2016 CALIFORNIA ENERGY STANDARDS,
AND THE 2016 NEC, 2017 UPC/UMC

IT IS THE OWNER'S AND THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ALL DAMAGE TO THE EXISTING PUBLIC IMPROVEMENTS DUE TO THE PROPOSED CONSTRUCTION ACTIVITIES AND TO ADDRESS ALL REPAIRS REQUESTED BY THE PUBLIC WORKS INSPECTOR BASED ON THE INSPECTOR'S REVIEW OF THE CURRENT CONDITION OF THE SAID PUBLIC IMPROVEMENTS.

UNDERGROUNDING OF ALL EXISTING AND PROPOSED UTILITY LINES IS REQUIRED AS PER CITY OF POMONA MUNICIPAL CODE SECTION 62-31(b)(1)
THE PARKWAY LANDSCAPING SHALL BE MAINTAINED BY THE PROPERTY OWNER PER CITY OF POMONA MUNICIPAL CODE SECTION 46-496.

" I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS,



2016 CALGreen
RESIDENTIAL MANDATORY MEASURES CHECKLIST
(Effective Jan. 1, 2017)

SECTION	MEASURES	REQUIREMENTS	Measures provided on plan sheet ¹ :
PLANNING AND DESIGN (Site Development)			
4.106.2	Storm Water Drainage and Retention During Construction	A plan is developed and implemented to manage storm water drainage during construction.	
4.106.3	Grading and Paving	Construction plans shall indicate how site grading or drainage system will manage all surface water flows to keep water from entering buildings.	
4.106.4	Electric Vehicle (EV) Charging for New Construction	Provide capability for electric vehicle charging in one- and two-family dwellings and in townhouses with attached private garages; and 3 percent of total parking spaces, as specified, for multifamily dwellings.	
ENERGY EFFICIENCY			
4.201.1	General	Building meets or exceeds the requirements of the 2016 California Building Energy Efficiency Standards.	
WATER EFFICIENCY AND CONSERVATION (Indoor Water Use)			
4.303.1	Water Conserving Plumbing Fixtures and Fittings	Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with requirements of Sections 4.303.1.1 through 4.303.1.4.4:	
		Plumbing fixtures & fittings	Maximum
		Water closets	1.28 gallons/flush
		Showerheads	2.0 gpm @ 80 psi
		Kitchen faucets	1.8 gpm @ 60 psi
		Residential lavatory faucets	1.2 gpm @ 60 psi max.
		Lavatory faucets in common & public use areas	0.8 gpm @ 20 psi min.
		Metering faucets	0.5 gpm @ 60 psi
		Urinals	0.25 gallons/cycle
		Urinals	0.125 gallons/flush for wall-mounted type and 0.5 gallons/flush for floor-mounted type or other type
4.303.2	Standards for Plumbing Fixtures and Fittings	Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the 2016 California Plumbing Code, and shall meet the applicable referenced standards.	
WATER EFFICIENCY AND CONSERVATION (Outdoor Water Use)			
4.304.1	Outdoor potable water use in landscape areas	After Dec 1, 2015, new residential developments with aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options: 1. A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever more stringent; or 2. Projects with aggregate landscape area less than 2,500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option.	
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (Enhanced Durability & Reduced Maintenance)			
4.406.1	Rodent proofing	Annular spaces around pipes, electric 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 a similar method acceptable to the enforcing agency.	
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (Construction Waste Reduction, Disposal & Recycling)			
4.408.1	Construction Waste Management	Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with one of the following: 1. Comply with a more stringent local construction and demolition waste management ordinance; or 2. A construction waste management plan, per Section 4.408.2; or 3. A waste management company, per Section 4.408.3; or 4. The waste stream reduction alternative, per Section 4.408.4.	
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (Building Maintenance & Operation)			
4.410.1	Operation and Maintenance Manual	An operation and maintenance manual shall be provided to the building occupant or owner.	
4.410.2	Recycling by Occupants	Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum)	

RESIDENTIAL MANDATORY MEASURES, effective January 1, 2017 (continued)

SECTION	MEASURES	REQUIREMENTS	Measures provided on plan sheet ¹ :
ENVIRONMENTAL QUALITY (Fireplaces)			
4.503.1	General	paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. See exception for rural jurisdictions. 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 label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with all applicable local ordinances.	
ENVIRONMENTAL QUALITY (Pollutant Control)			
4.504.1	Covering of Duct Openings & Protection of Mech. Equipment During Construction	Duct openings and other related air distribution component openings shall be covered during construction.	
4.504.2.1	Adhesives, Sealants and Caulks	Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.	
4.504.2.2	Paints and Coatings	Paints, stains and other coatings shall be compliant with VOC limits.	
4.504.2.3	Aerosol Paints and Coatings	Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds.	
4.504.2.4	Verification	Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	
4.504.3	Carpet Systems	Carpet and carpet systems shall be compliant with VOC limits.	
4.504.4	Resilient Flooring Systems	80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria.	
4.504.5	Composite Wood Products	Particleboard, medium density fiberboard (MDF) and hardwood plywood used in the interior finish systems shall comply with low formaldehyde emission standards.	
ENVIRONMENTAL QUALITY (Interior Moisture Control)			
4.505.2	Concrete Slab Foundations	Vapor retarder and capillary break is installed at slab-on-grade foundations.	
4.505.3	Moisture Content of Building Materials	Moisture content of building materials used in wall and floor framing is checked before enclosure.	
ENVIRONMENTAL QUALITY (Indoor Air Quality & Exhaust)			
4.506.1	Bathroom Exhaust Fans	Each bathroom shall be mechanically ventilated and shall comply with the following: 1. Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building. 2. Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control. a) Humidity controls shall be capable of manual or automatic adjustment between a relative humidity range of less than 50% to a maximum of 80%. b) A humidity control may be a separate component to the exhaust fan and is not required to be integral or built-in. Note: For the purposes of this section a bathroom is a room which contains a bathtub, shower, or tub/shower combination. Fans are required in each bathroom.	
ENVIRONMENTAL QUALITY (Environmental Comfort)			
4.507.2	Heating and Air Conditioning System Design	Duct systems are sized, designed, and equipment is selected using the following methods: 1. Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J-2011 (Residential Load Calculation), or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D- 2014 (Residential Duct Systems), or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 (Residential Equipment Selection) or equivalent.	
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS (Qualifications, Verifications)			
702.1	Installer Training	HVAC system installers are trained and certified in the proper installation of HVAC systems.	
702.2	Special Inspection	Special inspectors must be qualified and able to demonstrate competence to the enforcing agency in the discipline in which they are inspecting.	
703.1	Documentation	Verification of compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	

Footnotes:
¹ Indicate N/A if not applicable.

Note:
This check list is intended only as an aid to the user and may not contain complete code language. Refer to 2016 CALGreen Chapter 4 for complete code language.

CONVENTIONAL FRAMING PER 2016 CRC. NO STRUCTURAL ENGINEERING

DATE	BY	REVISIONS
12.13.18	J.M	2ND SUBMITTAL
03.15.19	J.M	3RD SUBMITTAL

CONSTRUCTION DESIGN, LLC Lic.# 925106

J.M.

JAIME MURILLO Cell: (909) 762-9278 jimmurillo67@yahoo.com

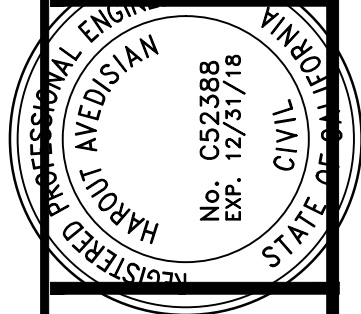
ENGINEER

P.E. CIVIL ENGINEER

HAROUT AVEDISIAN (818) 425-8922

418N GLENDALE AVE. SUITE-C

GLENDALE, CA. 91206



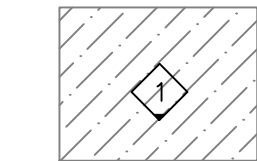
OWNER'S ADDRESS
TEAR KIMBERLY

JOB SITE :
892 E. 9TH. ST.
POMONA, CA. 91766
APN : 8333-004-034

TITLE:
GREEN BUILDING CODE

SHEET:
A-02

LEGEND



SHEAR WALL BRACING
FOR SHEAR WALL TYPE
SEE DETAIL 11/ST1

- 7/8" STUCCO FINISH
MISSION 6-25 COLOR- HACIENDA 6-59
- TIMBERLINE GAF ROOF SHINGLES CLASS A OR CLASS B ROOF ASSEMBLY
ICCS-ES EVALUATION REPORT ESR-1475
- ROOF VENTS 'BROWN COLOR' PAINTED TO BLEND
WITH SHINGLE COLOR 12"x 24" = 2.00 SQ.FT. #12
- FASCIA BOARD 'CHAPARRAL COLOR'
- VENTS WALL 8"x 16" = .99 SQ.FT. #10
- GARAGE VENT PORT 8"x 16" = .99 SQ.FT. #10

NOTE:

- ROOF COVERING INSTALLATION SHALL BE IN ACCORDANCE WITH
MANUFACTURE'S SPECIFICATIONS.
- ROOF COVERING FOR NEW AND RECONSTRUCTION SHALL BE CLASS A OR
CLASS B ROOF ASSEMBLY. (R902.1 AMENDED CRC)
- WHERE APPLIED OVER WOOD BASED SHEATHING, A PERFORMANCE AT LEAST
EQUIVALENT TO TWO LAYERS OF GRADE D PAPER IS REQUIRED (R703.2,
R703.7.3 CRC) SHOW ON PLANS OR PROVIDE THIS NOTE ON THE PLANS.

ROOF VENTING

CMH PRODUCT DATA: HALF-ROUND DOMER VENTS: "STD24GB"
ROOF AREA = 1,600 SQ. FT.
1- SQ. FT. FOR EACH 150 SQ. FT.
VENT (12"x 24") = 12

12. SQ. FT. 2,218. % 150 = 14.78 SQ. FT.

ROOF VENTILATION

- THE OPENINGS SHALL BE THE LARGER OF: 1.5 SQUARE FEET FOR
25 LINER FEET OR FRACTION OF EXTERIOR WALL; OR OPENINGS
SHALL BE EQUAL TO 1% OF UNDERFLOOR AREA.
- THE OPENINGS MAY BE COVERED WITH CORROSION RESISTANT WIRE
MESH WITH MESH OPENINGS OF GREATER THEN 1/4 INCH AND LESS
THAN 1/2 INCH IN DIMENSION.

NOTE:

- ALL LANDSCAPED AREAS SHALL BE SEPARATED FROM DRIVEWAYS
AND PARKING AREAS BY CONTINUOUS SIX-INCH CURB.
- ALL DWELLING UNITS AND ACCESSORY PARKING STRUCTURES SHALL
HAVE A MINIMUM OF 16 INCH HORIZONTAL OF ROOF OVERHANG PER
ELEVATION.

- ALL LANDSCAPING REQUIRES A SMART IRRIGATION CONTROLLER. AUTOMATIC IRRIGATION SYSTEM
CONTROLLERS FOR LANDSCAPING SHALL BE INSTALLED AT THE TIME OF FINAL INSPECTION AND
SHALL COMPLY WITH THE FOLLOWING.

- CONTROLLERS SHALL BE WEATHER OR SOIL MOISTURE BASED CONTROLLERS THAT AUTOMATICALLY
ADJUST IRRIGATION IN RESPONSE TO CHANGES IN PLANTS NEEDS AS WEATHER CONDITIONS CHANGE.
- WEATHER BASED CONTROLLERS WITHOUT INTEGRAL RAIN SENSORS OR COMMUNICATION SYSTEMS
THAT ACCOUNT FOR LOCAL RAINFALL SHALL HAVE A SEPARATE WIRED OR WIRELESS RAIN SENSOR
WHICH CONNECTS OF COMMUNICATES WITH THE CONTROLLER(S). SOIL MOISTURE BASED CONTROLLERS
ARE NOT REQUIRED TO HAVE RAIN SENOR INPUT.

- IRRIGATION SYSTEM CONTROLLER

- RACHIO WIFI SMART LAWN SPRINKLER CONTROLLER, 16-ZONE

- NEW UNIT-892
W/ 2-CAR GARAGE
- EXISTING UNIT-890
W/ PATIO
- EXISTING UNIT-870
W/ 1-CAR GARAGE
- EXISTING UNIT-874
W/ 1-CAR GARAGE
- DEMOM EXISTING UNIT
AREA= 550 SQ.FT.

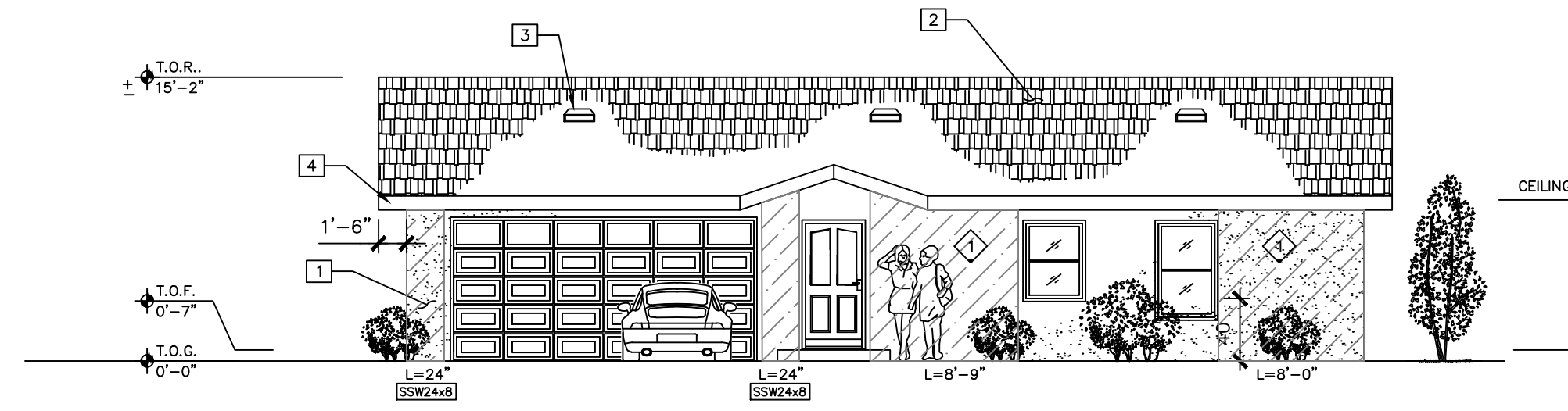
AREA= 1,365. SQ. FT.
AREA= 420. SQ. FT. } = 1,785. SQ.FT.
AREA= 1,205. SQ. FT.
AREA= 96. SQ. FT. } = 1,301. SQ.FT.
AREA= 898. SQ. FT.
AREA= 178. SQ. FT. } = 1,076. SQ.FT.
AREA= 898. SQ. FT.
AREA= 178. SQ. FT. } = 1,076. SQ.FT.
TOTAL = 5,238. SQ.FT.

PURPOSE OF PERMIT, PROPOSE AS FOLLOW

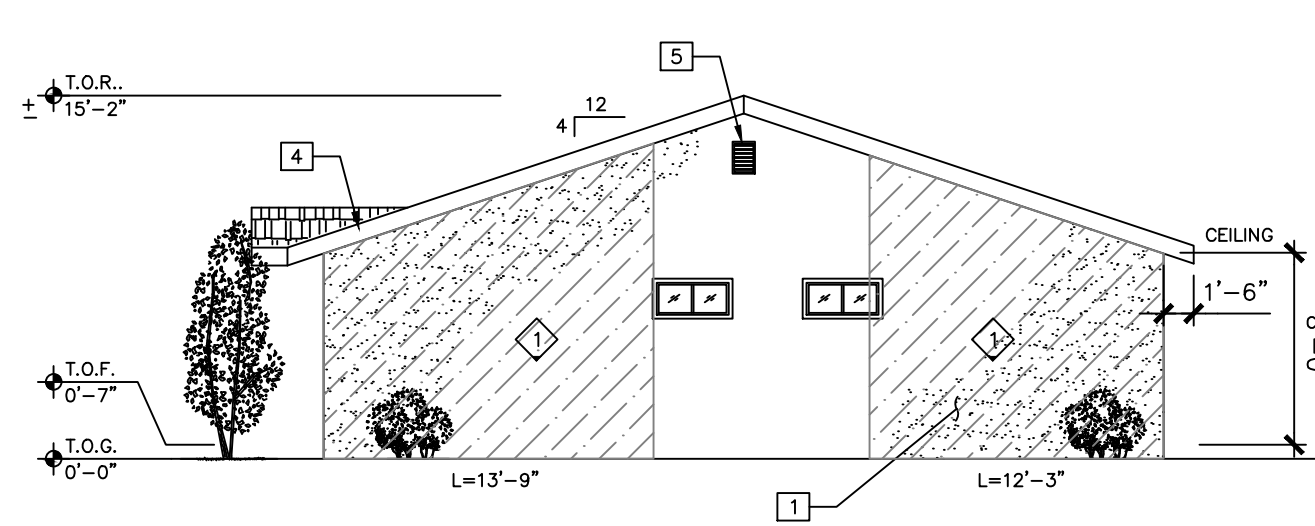
DEMO EXISTING UNIT-892
NEW UNIT-892: 3-BEDROOMS 2-BATH WITH ATTACH GARAGE.

EXISTING HOUSE TO BE DEMO AREA= 550. SQ. FT.
NEW UNIT-892 AREA= 1,365. SQ. FT.
NEW GARAGE AREA= 420. SQ. FT. } = 1,785. SQ.FT.

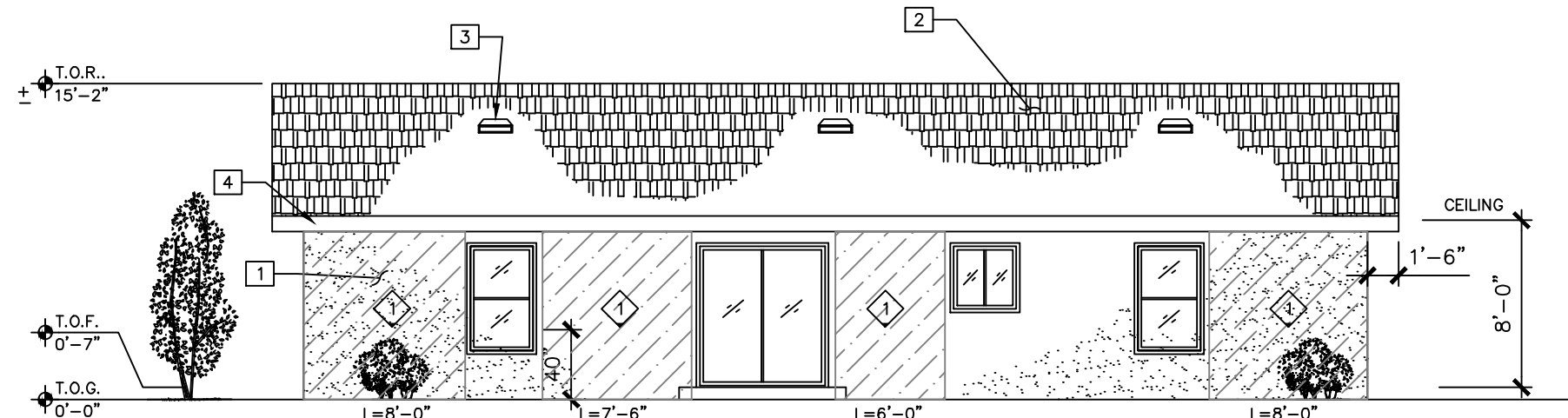
LOT SIZE: AREA= 22,924. SQ.FT.
LOT COVERAGE: 6,138. SQ.FT. - 2,062 = 4,076. SQ.FT.



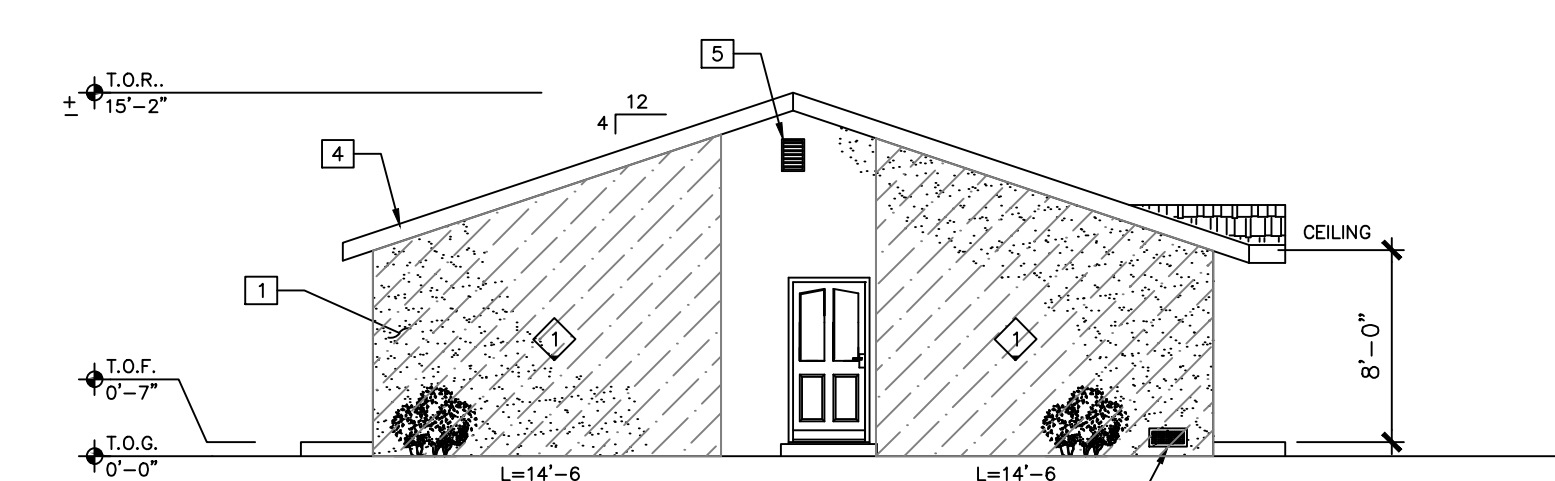
NORTH ELEVATION-D



WEST ELEVATION-C



SOUTH ELEVATION-B



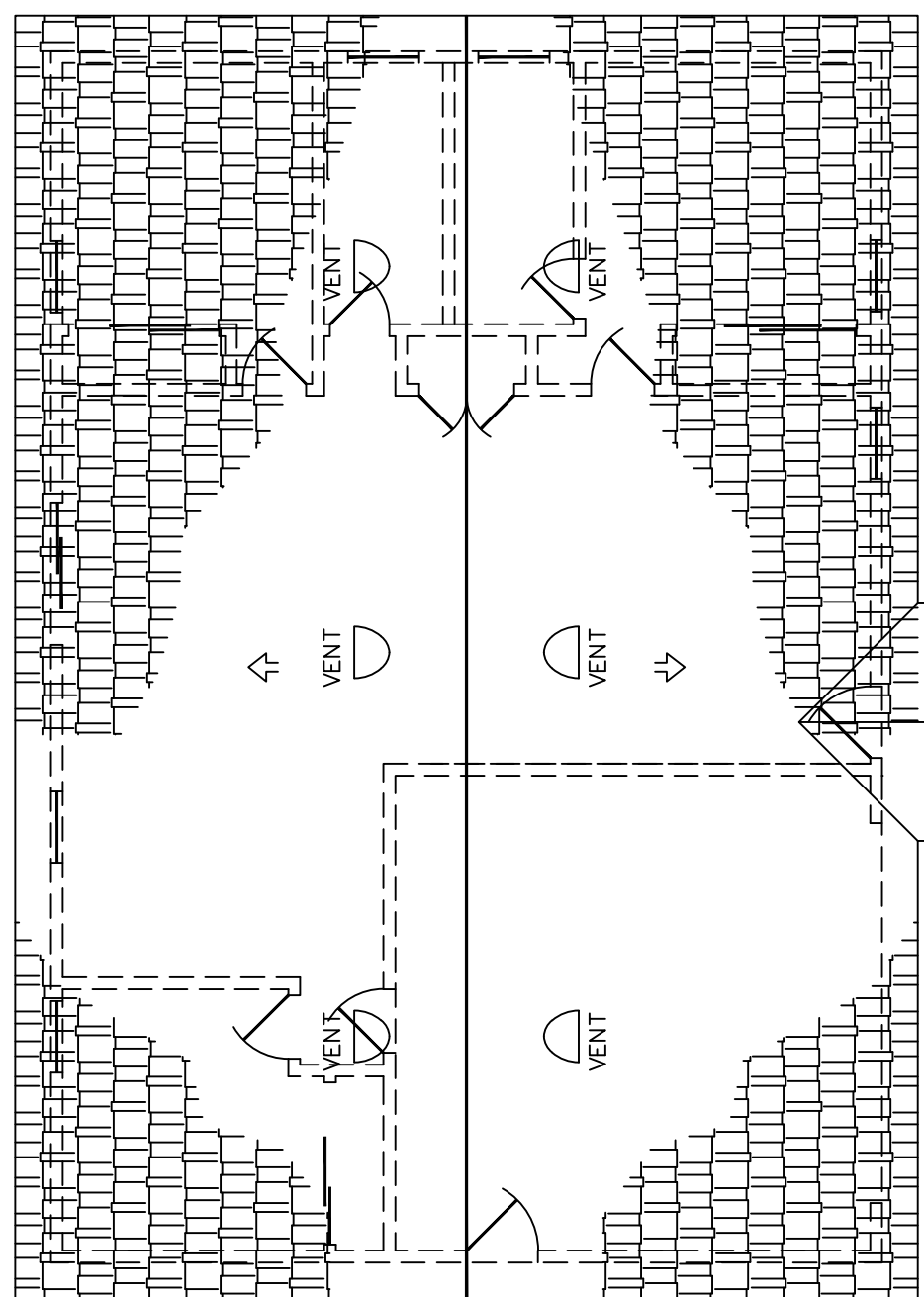
EAST ELEVATION-A

ELEVATIONS

SCALE

1/8"=1'-0"

E

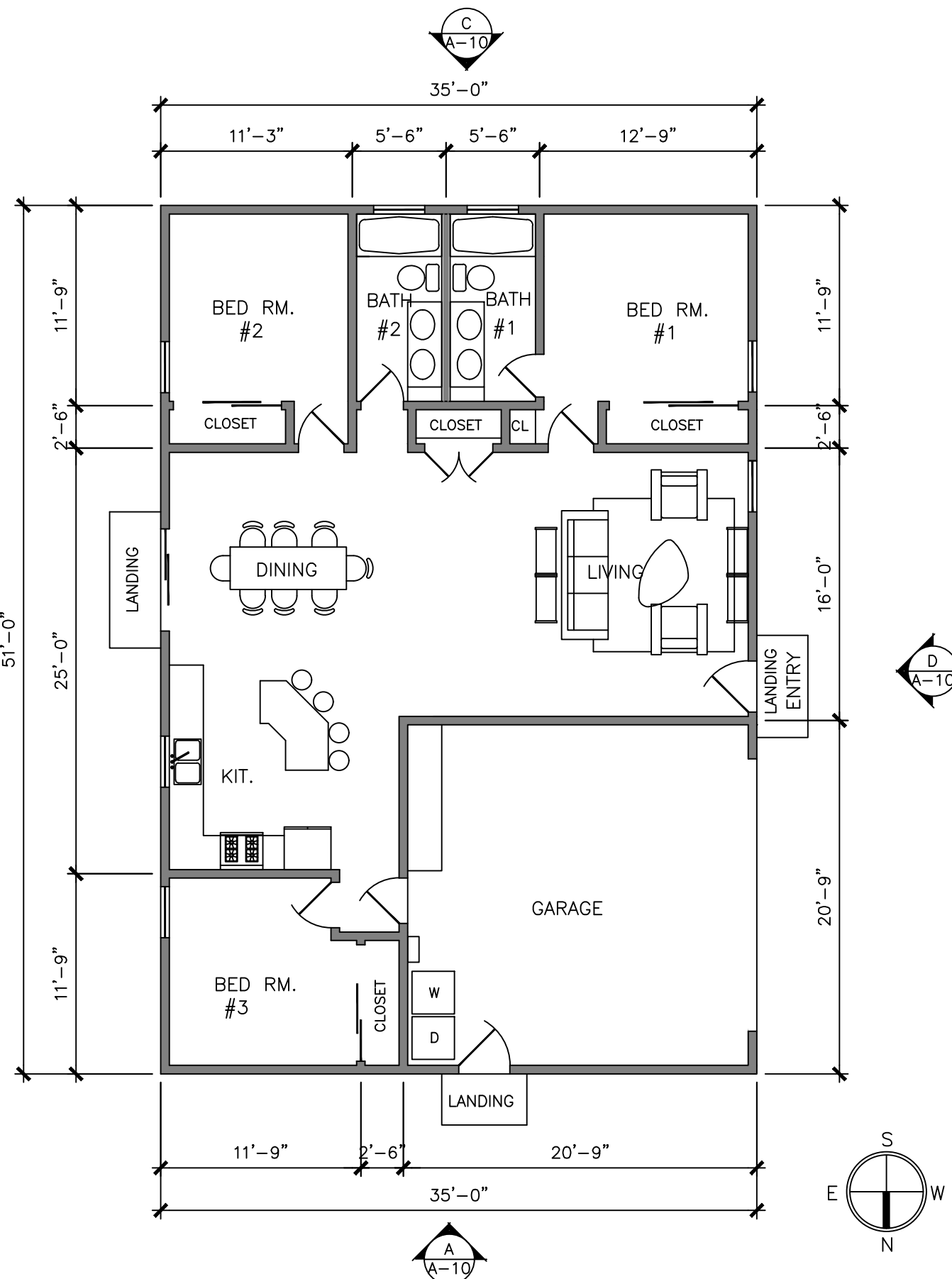


ROOF PLAN

SCALE

1/8"=1'-0"

D

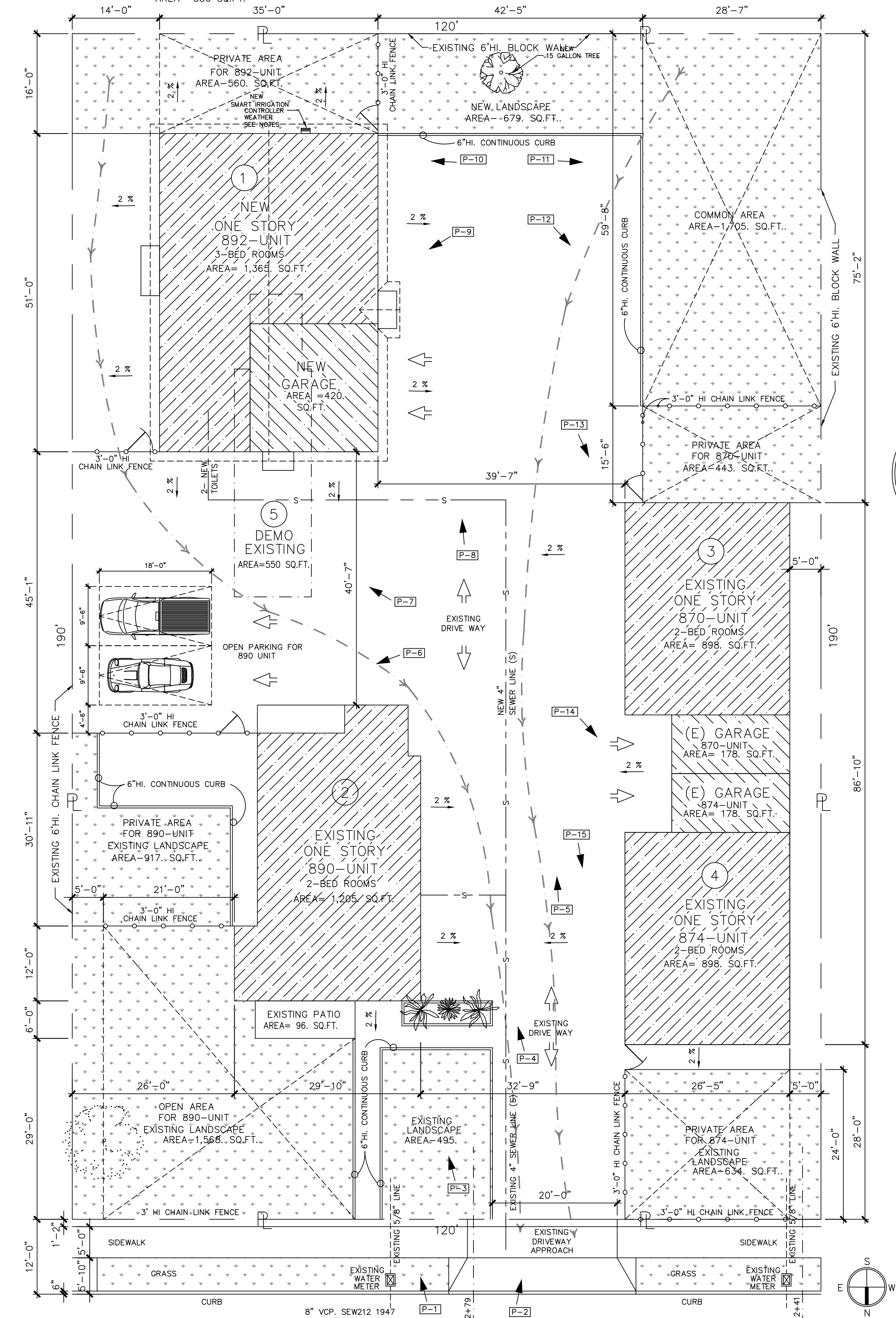


FLOOR PLAN

SCALE

1/8"=1'-0"

C



SITE PLAN

SCALE

3/32"=1'-0"

A

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	12.13.18	J.M.	2ND SUBMITAL
2	03.15.19	J.M.	3RD SUBMITAL

CONSTRUCTION DESIGN, LLC

lic# 925106

JAIME MURILLO

Cal# 499762978

jmurillo@cdllc.com

ENGINEER

P.E. CIVIL ENGINEER

HAROLD AVENDIAN (818) 425-8322

1918 FLORINA CT.

GLENDALE, CA 91206

REGISTERED PROFESSIONAL ENGINEER

AVENDIAN

CS2388

EXP. 12/31/20

CIVIL

STATE OF CALIFORNIA

OWNER'S ADDRESS

TEAR KIMBERLY

JOB SITE:

892 E. 9TH. ST.

POMONA, CA. 91766

APN: 8333-004-034

TITLE:

FLOOR PLAN & ROOF PLAN

ELEVATIONS

SHEET:

A-1.0

WINDOW SCHEDULE										(V) = VERTICAL SLIDING (H) = HORIZONTAL SLIDING
SYM.	WIDTH	HEIGHT	S.G.	FRAME	SCR	GLASS	U-FACTOR	SHGC		REMARKS
(A)	36"	60"	YES	VINYL	YES	YES	0.32	0.25	BED ROOM	SINGLE SLIDING (V)
(B)	36"	36"	YES	VINYL	YES	YES	0.32	0.25	KIT	SINGLE SLIDING (H)
(C)	36"	60"	YES	VINYL	YES	YES	0.32	0.25	BED ROOM	SINGLE SLIDING (V)
(D)	36"	16"	YES	VINYL	YES	YES	0.32	0.25	BATH	SINGLE SLIDING (H)
(E)	36"	16"	YES	VINYL	YES	YES	0.32	0.25	BATH	SINGLE SLIDING (H)
(F)	36"	60"	YES	VINYL	YES	YES	0.32	0.25	BED ROOM	SINGLE SLIDING (V)
(G)	36"	60"	YES	VINYL	YES	YES	0.32	0.25	LIVING	SINGLE SLIDING (V)

THE NFRC TEMPORARY LABEL DISPLAYED ON WINDOWS MUST REMAIN ON THE UNIT UNTIL FINAL INSPECTION INSPECTION HAS BEEN COMPLETED.

- NOTE: 1. FOR AN FAU LOCATED IN THE ATTIC PROVIDE A MINIMUM ACCESS OF 30"x30", A 24" WIDE WALKWAY, A 30" DEEP WORK PLATFORM, AND ELECTRIC LIGHT OUTLET ADJACENT TO THE FURNACE AND SWITCHED BY THE OPENING. [CMC 304]
2. ALL HEATING SYSTEMS SHALL HAVE AN AUTOMATIC THERMOSTAT WITH A CLOCK MECHANISM WHICH THE BUILDING OCCUPANT CAN MANUALLY PROGRAM TO AUTOMATICALLY SET BACK THE THERMOSTAT SET POINTS AT LEAST 2 PERIODS WITHIN 24 HOURS.
3. PROVIDE A 3" CLEARANCE ON ALL SIDES, BACK AND TOP AND 6" IN FRONT OF THE FURNACE AND WATER HEATER. [CMC 908]
4. SHOW A MINIMUM 70" HIGH NON-ABSORBENT SURFACE AT SHOWER AND TUB AREA. [CBC 807.1.3]
5. THE MAXIMUM LENGTH OF A DRYER VENT IS 14 FEET WITH TWO BENDS. TWO FEET SHALL BE DECREASED FOR EACH BEND MORE THAN TWO, UNLESS APPROVED BY THE BUILDING OFFICIAL. [CMC 504.3.4.4]
6. AT LEAST ONE OUTLET TO BE INSTALLED AT THE FRONT OF A DWILLING UNIT. [CEC 210.52 (E)]
7. SMOKE DETECTORS SHALL SOUND AN ALARM AUDIBLE IN ALL AREAS OF THE BUILDING OR BE INTERCONNECTED.
8. ALL BEDROOM RECEPTACLES SHALL BE ARC FAULT TYPE.
9. FLUORESCENT LIGHTING IN ALL ROOMS AND KITCHEN.
10. ALL EXTERIOR RECEPTACLE SHALL BE WATER PROOF / GFI TYPE.
11. RECEPTACLES IN KITCHEN AND ALL LAVATORIES SHALL BE / GFI TYPE.
12. ALL LIGHTING SHALL BE HIGH EFFICIENCY TYPE (FLUORESCENT).
13. MECHANICAL VENTILATION FOR BATHROOMS (EXHAUST FAN WITH CAPACITY OF 50 CFM INTERMITTENT OR CFM CONTINUOUS) AND KITCHENS (EXHAUST FAN WITH CAPACITY OF 100 CFM INTERMITTENT OR 5 AIR CHANGES PER HOUR [ACH] AONTINUOUS. BASED ON KITCHEN VOLUME)
14. HEATER SHALL BE CAPABLE OF MAINTAINING A MINIMUM ROOM TEMPERATURE OF 68 DEGREES F AT A POINT 3 FEET ABOVE THE FLOOR AND 2 FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS AT THE DESIGN TEMPERATURE.
15. BUILDING SHALL HAVE APPROVED ADDRESS NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY.
16. PROTECTION OF WOOD AND WOOD BASED PRODUCTS FROM DECAY SHALL BE PROVIDED IN THE LOCATIONS SPECIFIED PER SECTION R317.1 BY THE USE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AWP A U1 FOR THE SPECIES, PRODUCT, PRESERVATIVE AND END USE. PRESERVATIVE SHALL BE LISTED IN SECTION 4 OF AWP A U1.
17. PROVIDE ANTI-GRAFFITI FINISH WITHIN THE FIRST 9 FEET, MEASURED FROM GRADE. AT EXTERIOR WALLS AND DOORS. EXCEPTION: MAINTENANCE OF BUILDING AFFIDAVIT IS RECORDED BY THE OWNER TO CONVENANT AND AGREE WITH THE CITY OF LOS ANGELES TO REMOVE ANY GRAFFITI WITHIN 7-DAYS OF THE GRAFFITI BEING APPLIED.

- NOTE: 1. ALL SLEEPING ROOMS SHALL HAVE EMERGENCY ESCAPE AND SHALL OPEN DIRECTLY INTO A PUBLIC WAY, ALLEY, AND YARD OR EXIT COURT AND SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS. ESCAPE OR RESCUE WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENABLE AREA OF 5.7" SQUARE FEET, MINIMUM NET CLEAR OPENABLE HEIGHT OF 24" AND MINIMUM NET CLEAR OPENABLE WIDTH 20" AND HAVE A SILL HEIGHT NOT MORE THAN 44" ABOVE THE FLOOR (1026)

- NOTE:
1. WATER CLOSET SHALL BE LOW FLUSH TYPE WITH 1.6 GALLONS PER FLUSH MAX.
2. ATTIC ACCESS SHALL BE WEATHER STRIPPED OR SEALED TO PREVINT DRAFTS.
3. A DEVICE TO ABSORB HIGH PRESSURES FROM QUICK CLOSING VALVES SHALL BE PROVIDED.
4. ALL BATH ROOM RECEPTACLES SHALL BE ON A 20 AMP CIRCUIT.
5. BE CONTROLLED BY A DIMMER SWITCH OR MANUAL-ON OCCUPANI SENSOR. ALL LIGHTING SHALL BE HIGH EFFICACY, OR DEPENDING ON THE LOCATION OF THE LIGHTING,
6. ALL INTERIOR AND EXTERIOR STAIRWAYS SHALL BE ILLUMINATED. (R303.7)

- NOTE: GLAZING IN THE FOLLOWING LOCATIONS SHALL BE SAFETY GLAZING CONFORMING TO THE HUMAN IMPACT LOADS OF SECTION R308.3 (SEE EXCEPTIONS) (R308.4)
- a. FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BI-FOLD DOOR ASSEMBLIES.
- b. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHHERE 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.
- c. 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 ENCLOSURES FOR OR WALLS FACING HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS AND SHOWERS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
- f. GLAZING IN WALLS AND FENCES 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 STRAIGH LINE, OF THE WATER'S EDGE.
- g. 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.
- h. GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY WHERE THE GHLAZING IS LESS THAN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD.

DOOR SCHEDULE							
SYM.	WIDTH	HEIGHT	S.G	DOOR	FRAME	SCR	REMARKS
(1)	36"	80"	YES	METAL/WD	WOOD	NO	EXTERIOR
(2)	36"	80"	YES	METAL/WD	WOOD	NO	EXTERIOR
(3)	72"	80"	NO	GLASS	WOOD	YES	TEMPER GLASS
(4)	72"	80"	NO	METAL/PANEL	WOOD	NO	CLOEST
(5)	32"	80"	NO	HOLL/WD	WOOD	NO	BED ROOM
(6)	30"	80"	NO	HOLL/WD	WOOD	NO	BATH
(7)	2-24"	80"	NO	HOLL/WD	WOOD	NO	CLOSET
(8)	32"	80"	NO	HOLL/WD	WOOD	NO	BED ROOM
(9)	30"	80"	NO	HOLL/WD	WOOD	NO	BATH
(10)	96"	80"	NO	METAL/PANEL	WOOD	NO	CLOSET
(11)	32"	80"	NO	HOLL/WD	WOOD	NO	BED ROOM
(12)	72"	80"	NO	METAL/PANEL	WOOD	NO	CLOSET
(13)	36"	80"	YES	METAL/WD	WOOD	NO	20 MIN. FIRE RATED SELF CLOSING

NOTES

- a. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTIURION 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 MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
- b. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. (PER ORDINANCE 170,158) (SEPARATE PLUMBING PERMIT IS REQUIRED).
- c. PLUMBING FIXTURES ARE REQUIRED TO BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED SEWAGE DISPOSAL SYSTEM (R306.3).
- d. 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 SYPPLY (R306.4).
- e. BATHTUB AND SHOWER FLOORS, WALLS ABOVE BATHTUBS WITH A SHOWERHEAD, AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR (R307.2)
- f. PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.
- h. WATER HEATER MUST BE STRAPPED TO WALL. (SEC. 507.3, LAPC)
- k. AUTOMATIC GARAGE DOOR OPENERS, IF PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325.(R309.4)
- i. SMOKE DETECTORS SHALL BE PROVIDED FOR ALL DWELLING UNITS INTENDED FOR HUMAN OCCUPANCY, UPON THE OWNER'S APPLICATION FOR A PERMIT FOR ALTERATIONS, REPAIRS, OR ADDITIONS, EXCEEDING ONE THOUSAND DOLLARS (\$1,000) (R314.6.2) AND SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP. AS FOLLOWING
- IN EACH SLEEPING ROOM.
 - OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
 - SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP AND INSTALLED IN ACCORDANCE WITH NFPA 72.
 - BATTERY SMOKE ALARM PERMITTED IN EXISTING BUILDINGS WHERE ON CONSTRUCTION IN TAKING PLACE.
- m. 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 R315.2.2 CARBON MONOXIDE ALARMS SHALL ONLY BE REQUIRED IN THE SPECIFIC DWELLING UNIT OR SLEEPING UNIT FOR WHICH THE PERMIT WAS OBTAINED. (R315.2.2)
- OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
 - SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP.
 - BATTERY CARBON MONOXIDE ALARM IS PERMITTED IN EXISTING DWELLING UNITS WHERE ON CONSTRUCTION IS TAKING PLACE.
- n. EVERY SPACE INTENDED FOR HUMAN ACCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION R303.1 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE ARE OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. (R303.1)
- o. A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.

WALL LEGEND

- 2x4 STUDS AT 16" O.C. (TYP)
- BATH ROOM PLUMBING WALL
2x6 STUDS AT 16" O.C.

SYMBOLS

- (A) DOOR NO. DOOR SYMBOL
- (1) WINDOW NO. WINDOW SYMBOL

ABBREVIATIONS

- S.G. SAFETY GLASS
- SCR SCREEN
- (V) VERTICAL
- (H) HORIZONTAL

IAQ INDOOR AIR QUALITY MECHANICAL VENTILATION SYSTEM
FANS SHALL BE ENERGY STAR COMPLIANT 50 cfm min AND BE DUCTED TO TERMINATE TO THE OUTSIDE OF THE BUILDING AIRKING AK110PN ENERGY STAR QUIET SERIES 100-CFM. THIS FAN TO REMAIN ON DURING ALL HOURS THE HOUSE IS OCCUPIED.

FANS, NOT FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, MUST BE CONTROLLED BY A HUMIDITY CONTROL

CARBON MONOXIDE DETECTORS SHALL BE WIRED TO THE BLDG. ELEC. SYSTEM & BE EQUIPPED W/ BATTERY BACKUP. INTERCONNECTED

SMOKE DETECTOR SHALL BE WIRED TO THE BLDG. ELEC. SYSTEM & BE EQUIPPED W/ BATTERY BACKUP AND INTERCONNECTED.

NOTE:
ALL LIGHT TO BE HIGH EFFICACY.

ELECTRICAL SYMBOLS

- SWITCH
- 2 WAY SWITCH
- VACANCY SENSORS SWITCH
- MOTION SENSOR
- DUPLEX CONVENIENCE OUTLET
- CEILING OUTLET
- WATERPROOF OUTLET
- OUTLET WITH SWITCH
- D.C.O. WITH HEIGHT
- 220 V OUTLET
- GROUND FAULT INTERRUPTER
- ARC-FAULT INTERRUPTER
- WALL LIGHT
- CEILING LIGHT
- FLUSH LIGHT, CAN LIGHTS SHALL BE AIR TIGHT AND RATED FOR CONTACT WITH INSULATION
- HOSE BIB
- A/C DISCONNECT
- TANKLESS WATER HEATER

WINDOW LOAD

1. THE LOAD RESISTANCE OF GLASS UNDER UNIFORM LOAD SHALL BE DETERMINED IN ACCORDNCE WITH ASTM E1300.

EXTERIOR DOORS

1. PROVIDE A FLOOR OR LANDING ON EACH SIDE OF EVERY EXTERIOR DOOR. LANDING SHALL HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE DOOR. (R311.3 CRC)
- a. THE LANDING AT REQUIRED OUT-SWINGING DOOR SHALL NOT BE MORE THAN 1 1/2" LOWER THEN THE TOP OF THE THRESHOLD.
- b. THE LANDING AT IN-SWINGING DOORS AND DOORS OTHER THAN THE REQUIRED EGRESS SHALL NOT BE MORE THAN 7 3/4" BELOW THE TOP OF THE THRESHOLD.
- c. MAXIMUM SLPE OF ANY LANDING SHALL NOT EXCEED 1/4 INCH PER FOOT. (R311.3 CRC)

EGRESS WINDOWS

1. EMERGENCY EXITS ARE REQUIRED IN ALL SLEEPING AREAS AND MAY BE PROVIDED BY A DOOR A DOOR
- a. A MINIMUM OPENING SIZE OF 5.7 (5.7 AT GRADE LEVEL) SQUARE FEET.
1. A 20-INCH MINIMUM NET CLEAR OPENING WIDTH.
 2. A 24-INCH MINIMUM NET CLEAR OPENING HEIGHT.
 3. A SILL HEIGHT ON HIGER THAN 44 INCHES ABOVE THE FLOOR.

NOTE:

1. SAFETY OR TEMPERED GLAZING AT BATHROOMS: WHERE GLAZING IN ENCLOSURE FOR OR WALLS FACING HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS AND SHOWERS WHERE THE BOTTOM EPOSED EDGE IS LEASS THAN 60" MEASURED VERTICALLY ABOVE A STANDING OR WALKING SURFACE. PROVIDE SILL HEIGHT ON THE PLAN IF OVER 60" (CRC R308.4)

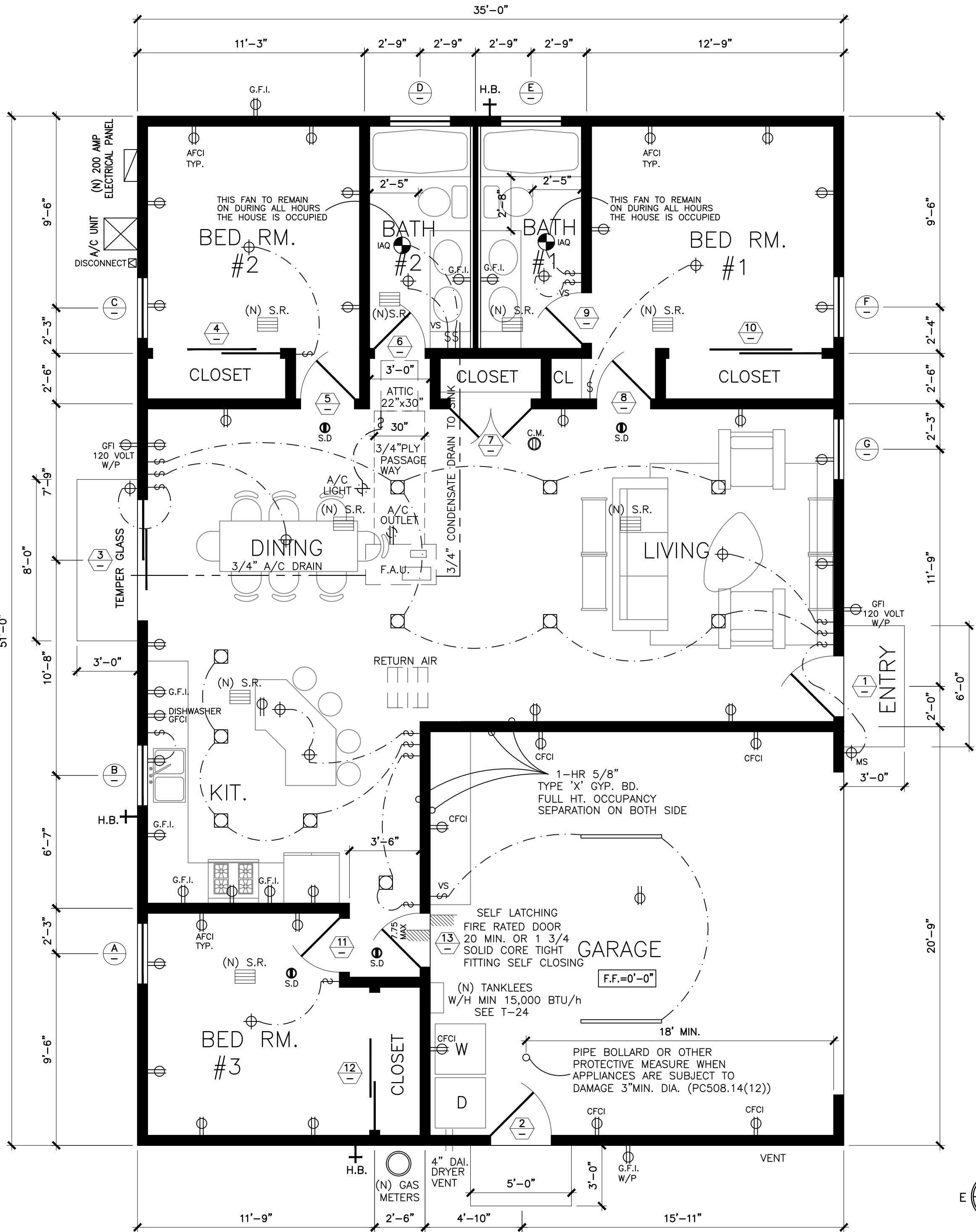
2. FIBER-CEMENT, FIBER-MAT REINFORCED CEMENT, GLASS MAT GYPSUM OR FIBER-REINFORCED GYPSUM BACKERS SHALL BE USED AS A BASE FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL AND CEILING PANELS IN SHOWER AREAS. (TABLE R702.4.2, R702.4.2 CRC)

A/C UNIT

1. FAN COIL 3/4" CONDENSATE OVERFLOW SECONDARY DRAIN (COPPER-TYPE "M") SHALL BE DISCHARGE THRU THE CEILING OVER THE LAVATORY, DRAIN SHALL SLOPE AT NOT LESS THAN 1/4" PER FOOT (2%). FAN COIL 3/4" CONDENSATE PRIMARY DRAIN (COPPER-TYPE "M") SHALL BE TRAPPED & PIPED TO NEAREST TAILPIECE OF LAVATORY. DRAIN SHALL SLOPE AT NOT LESS THAN 1/4" PER FOOT (2%)

NOTE:

THE WORKING CLEARANCES REQUIRED BY CEC 110-26 MUST BE PERMANENTLY MAINTAINED IN FRONT OF ALL ELECTRICAL EQUIPMENT.



1. THE ADDRESS NUMBER REQUIREMENTS. NUMBERS MUST BE 4 INCH TALL AND AUTOMATICALLY ILLUMINATED AND FACING THE STREET ON BOTHE HOUSES.
2. 2017 CPC CHAPTER 14- "FIRE SAFTY DURING CONSTRUCTION AND DEMOLITION". THE CONTRACTOR MUST ADHERE TO DURING CONSTRUCTION.
3. LABEL THE HOUSE ELECTRICAL PANEL FOR FINAL INSPECTION. / BOTH HOUSES
4. CARBON MONOXIDE ALARMS OR MULTIPLE ALARMS SHALL BE INSTALLED OUTSIDE OF EACH DWELLING SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM AND ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS. 2017 CALIFORNIA RESIDENTIAL CODE, R315.2 ALL HALLWAY SMOKE ALARMS SHALL BE COMBO CARBON MONOXIDE ALARMS.
5. FIRE SPRINKLERS HAVE NOT BEEN REVIEWED AS A PART OF THIS SUBMITTAL AND SEPARATE SUBMITTALS ARE NOT REQUIRED.

ELECTRICAL

1. 'AFCI' (ARC-FAULT CIRCUIT INTERRUPTER) TO BE PROVIDED AT ALL OUTLETS (RECEPTACLES, LIGHTS, ETC.) IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS. (CEC SECTION 210.12)
2. ALL OUTDOOR RECEPTACLES TO HAVE EXTRA DUTY RATED IN USE COVERS. [410-57 NEC]

PLUMBING

1. WATER PIPING MATERIALS WITHIN A BUILDING SHALL BE IN ACCORDANCE WITH SEC. 604.1 OF THE CALIFORNIA PLUMBING CODE PEX, CPVC AND OTHER PLASTIC WATER PIPING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WHIT THE REQUIREMENTS OF SEC. 604 OF THE CPC. INSTALLATION STANDARDS OF APPENDIX 1 OF THE CPC AND MANUFACTURER'S RECOMMENDED INSTALLATION STANDARDS. CPVC WATER PIPING REQUIRES A CERTIFICATION OF COMPLIANCE AS SPECIFIED IN SEC 604.1.1(d) OF THE CPC PRIOR TO PERMIT ISSUANCE.

NOTE:

ALL PLUMBING MATERIAL TO BE PEX TYPE

CONVENTIONAL FRAMING PER 2016 CRC. NO STRUCTURAL ENGINEERING

REVISIONS	BY	DATE	DESCRIPTION
12.13.18	J.M.	2ND SUBMITTAL	
03.15.19	J.M.	3RD SUBMITTAL	

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REGISTERED PROFESSIONAL ENGINEER

HAROUT AVEDISIAN

No. C532388

Exp. 12/31/18

CIVIL

STATE OF CALIFORNIA

OWNER'S ADDRESS

TEAR KIMBERLY

JOB SITE 1:

892 E. 9TH. ST.

POMONA, CA. 91766

APN: 8333-004-034

TITLE:

FLOOR PLAN, DOOR & WINDOW SCHEDULE

SHEET:

A-2.0

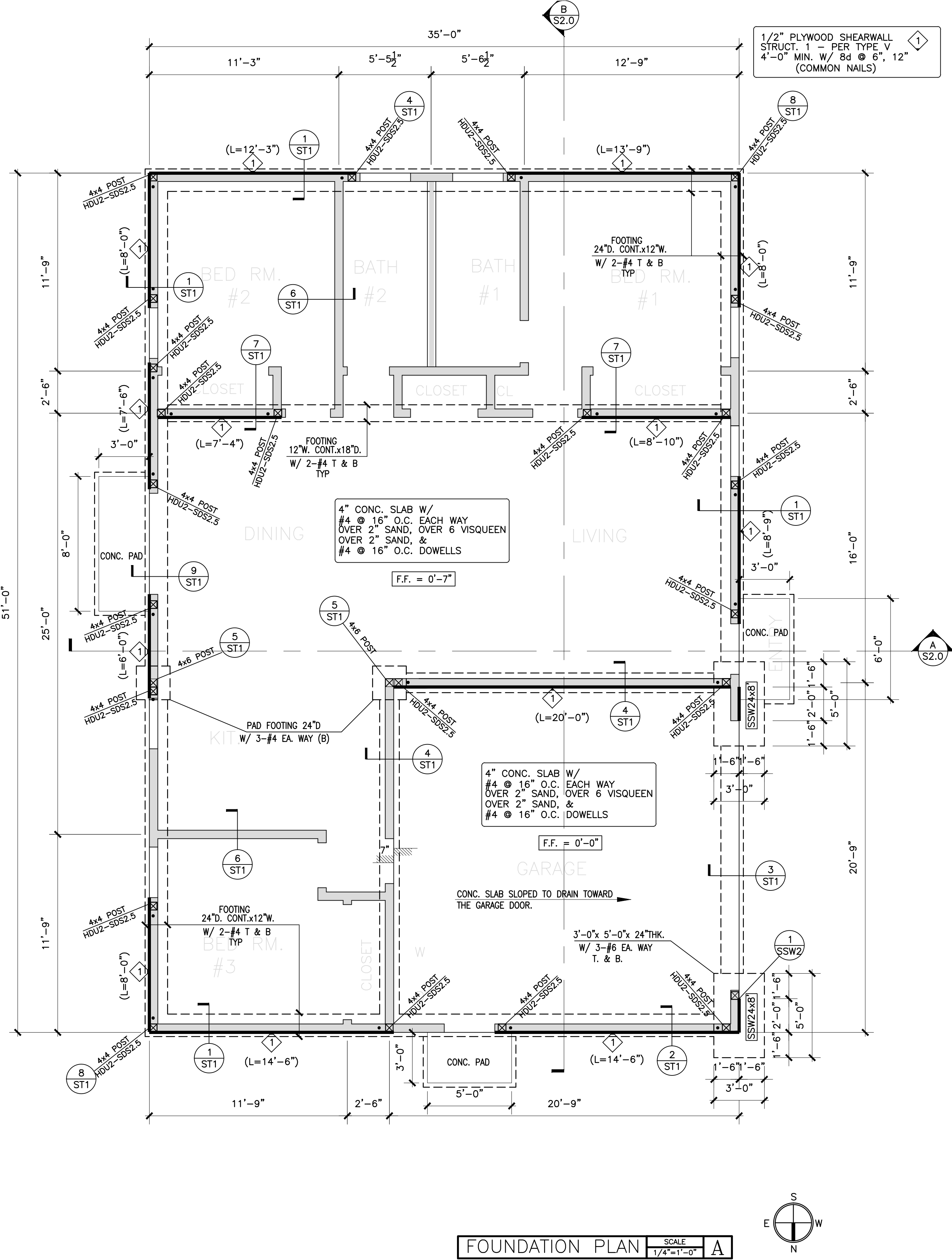
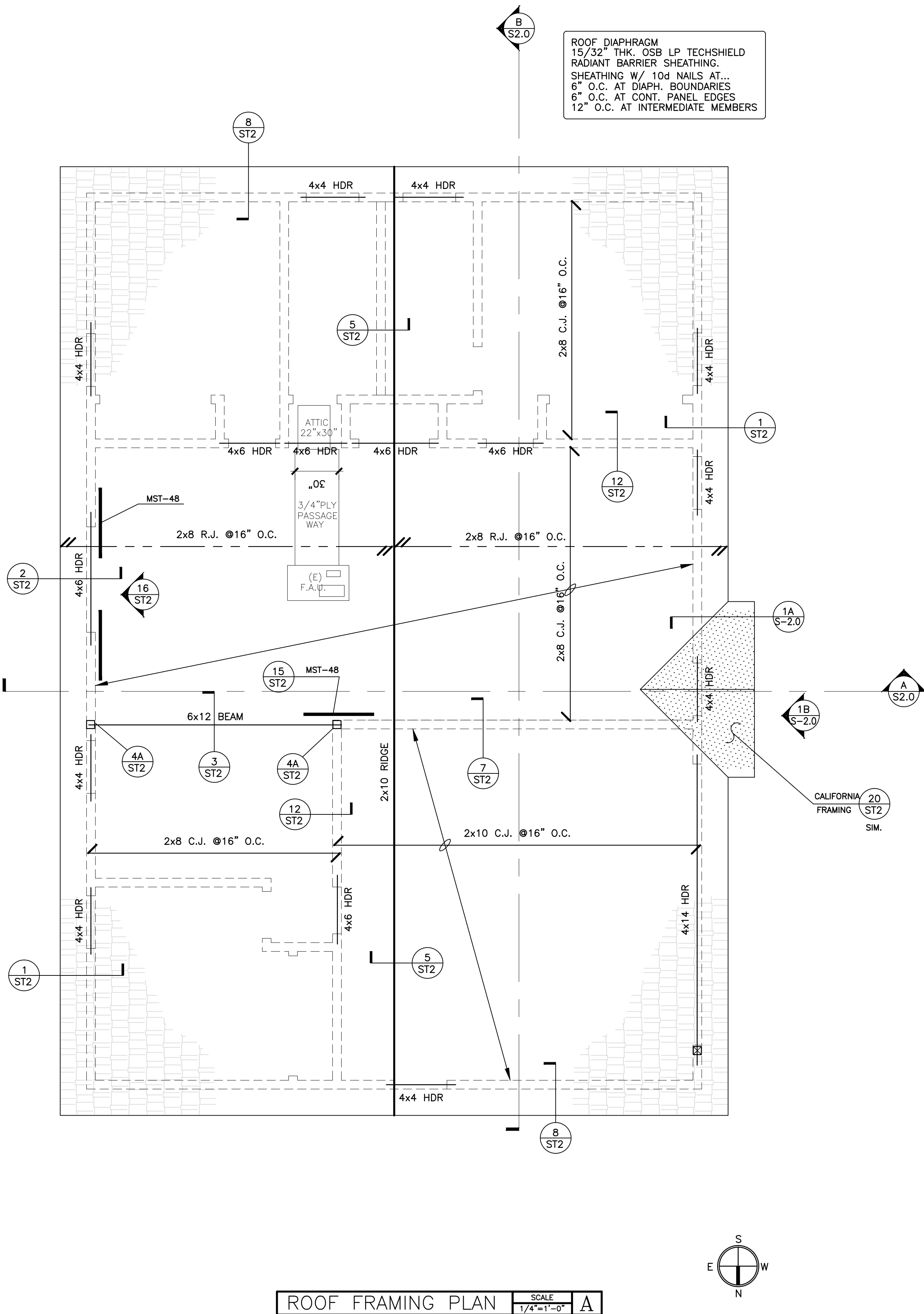
- 0
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- DETAIL No. ROOF BEAM SYMBOL
SHEET No.
- INDICATE FLOOR JOIST
INDICATE RAFTER JOIST
INDICATE WALL BELOW
1. FOR ROOF ELEVATION, SLOPES, WALL HEIGHTS, ROOF OPENINGS, ETC., SEE ARCH'L PLANS AND DETAILS.
2. TYP. DETAILS NOT SHOWN, SEE SHEET ST1, ST2.

LATH ATTACHMENT AT EAVES AND HORIZONTAL WOOD SUPPORTS
SECURE LATH TO ALTERNATE SUPPORTS WITH TIES CONSISTING OF A DOUBLE STRAND OF NO. 18 W & M GAGE GALVANIZED ANNEALED WIRE AT ONE EDGE OF EACH SHEET OF LATH. WIRE TIES SHALL BE INSTALLED NOT LESS THAN 3 INCHES BACK FROM THE EDGE OF EACH SHEET AND SHALL BE LOOPED AROUND STRIPPING OR ATTACHED TO AN 8d COMMON WIRE NAIL DRIVEN INTO EACH SIDE OF THE JOIST OR TO EACH END OF A 16d COMMON WIRE NAIL DRIVEN HORIZONTALLY THROUGH THE JOIST 2 INCHES ABOVE THE BOTTOM OF THE JOIST AND THE ENDS OF THE WIRE SECURED TOGETHER WITH THREE TWISTS OF THE WIRE.

- NOTES
1. HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.299 INCH BY 3 INCHES BY 3 INCHES.
2. ROOF DIAPHRAM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7.
3. ALL DIAPHRAM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
4. ALL BOLT HOLES SHALL BE DRILLED 1/23" TO 1/16" OVERSIZED.
5. HOLD-DOWN HARWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.
6. FIELD CUTTING ENDS, NOTCHES, AND DRILLED HOLES IN PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN THE IN ACCORDANCE WITH (R301.1.3 CRC)
7. FOR NON-SHEAR WALL, ANCHOR 1/2"x10" EMBEDDED 7" AND SPACED MAXIMUM 6" WITH 0.229"x3"x3" PLATE SASHERS, MINIMUM 2 ANCHOR BOLTS PER PIECE, LOCATED NOT MORE THAN 12" OR LESS THAN 7 MOLT DIAMETERS FROM EACH END OF THE PIECE.
8. BOLTS SHALL BE LOCATED IN THE MIDDLE THIRE OF THE WIDTH OF THE PLATE.
9. ANCHOR BOLTS ON SHEAR WALLS IN SEISMIC DESIGN CATEGORY D, DO, D1, D2, AND TOWNHOUSES IN C SHALL HAVE STEEL PLATE WASHERS A MINIMUM OF 3"x3"x0.229" BETWEEN THE SILL PLATE AND THE NUT. (R602.11.1 SEC)
10. SATURATE THE SOIL 18-IN. DEEP BEFORE PLACING THE CONCRETE SLAB.

- FOUNDATION NOTES:
- ◇ SHEARWALL SYMBOL, FOR SIZE SEE SCHEDULE.
- DETAIL No. DETAIL SYMBOL
SHEET No.
1. FOR DIMENSIONS AND CONDITIONS NOT SHOWN SEE ARCH'L DWGS. AND VERIFY IN FIELD.
2. FOR FINISH FLOOR ELEVATION, SLOPE, DRAINS, SEE ARCH'L DWGS.

THIS PROJECT INCORPORATES A RADIANT BARRIER



CONVENTIONAL FRAMING PER 2016 CRC. NO STRUCTURAL ENGINEERING

FOUNDATION AND ROOF
FRAMING PLAN

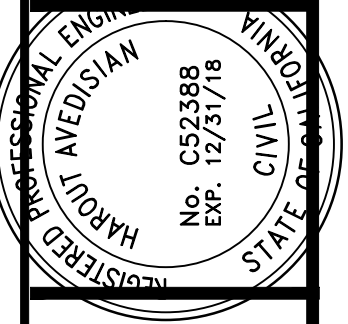
892 E. 9TH. ST.
POMONA, CA. 91766
APN: 8333-004-034

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TEAR KIMBERLY

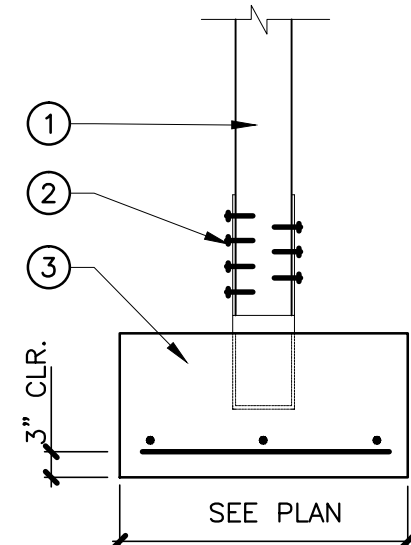
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SHEET: S-1.0

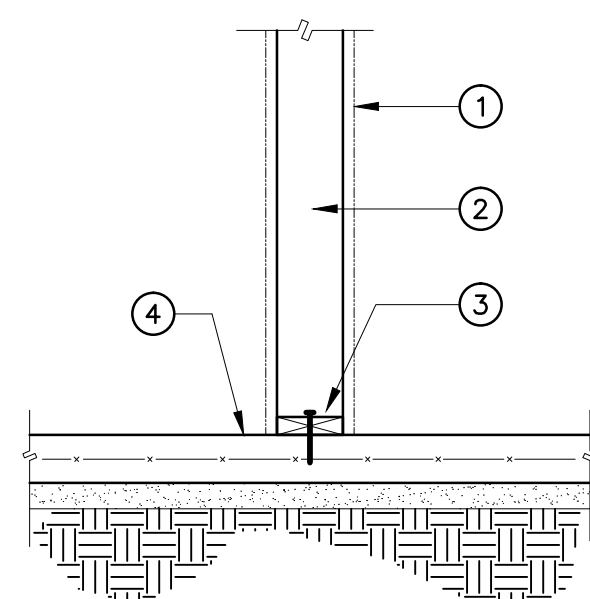


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7. ALL SILL PLATES RESTING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR UTILITY GRADE OR FOUNDATION GRADE REDWOOD.
8. ALL LEDGER BOLTS SHALL BE SET IN WALLS TO INSURE PROPER LAG SCREW OR DRORAGE PLAN. VERIFY ALL CONDITIONS PRIOR TO SETTING BOLTS.
9. LAG BOLTS AND SCREWS SHALL BE PREDRILLED. THE DIA. OF PREDRILLED HOLES SHALL BE 60% OF SHANK DIAMETER. THE THREADED PORTION OF THE SCREW SHALL BE INSERTED BY HAND WITH A WRENCH. NOT BY DRIVING WITH A HAMMER. PENETRATION OF THREADED PORTION SHALL BE 7 DIAMETER MINIMUM.
10. WHEN LAMINATING VERTICALLY 2-2" X MEMBERS TOGETHER, USE 16d NAILS AT 12" O.C. SPOGGED.
11. STUDS OF WORK MEMBERS ENTERING MASONRY WALLS SHALL HAVE A 1/2" AIR SPACE AROUND TOP, END AND SIDES UNLESS WOOD IS TREATED WITH APPROVED PRESERVATIVES.
12. ALL HARDWARE CONNECTING WOOD MEMBERS SHALL BE RECESSED WHEN REQUIRED BY ARCHITECTURAL FINISH. VERIFY WITH ARCHITECTURAL PLANS.
13. FRAMING ANCHORS, JOIST HANGERS, POST CAPS, POST BASES, THE DOWNS, ETC. SHALL BE AS MANUFACTURED BY "SIMPSON" OR AN APPROVED EQUAL.
14. THE END STUDS OF BEARING/NOT-BEARING WALLS BEARING STUDS SHALL NOT EXCEED 25%/40% RESPECTIVELY. BORED HOLES IN BEARING/NOT-BEARING WALLS STUDS SHALL NOT EXCEED 40%/60% RESPECTIVELY.
15. FASTENERS FOR PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED UNCOATED GALVANIZED STEEL IN ACCORDANCE WITH ASTM A 153.

CONVENTIONAL FRAMING PER 2016 CRC, NO STRUCTURAL ENGINEERING

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TEAR KIMBERLY

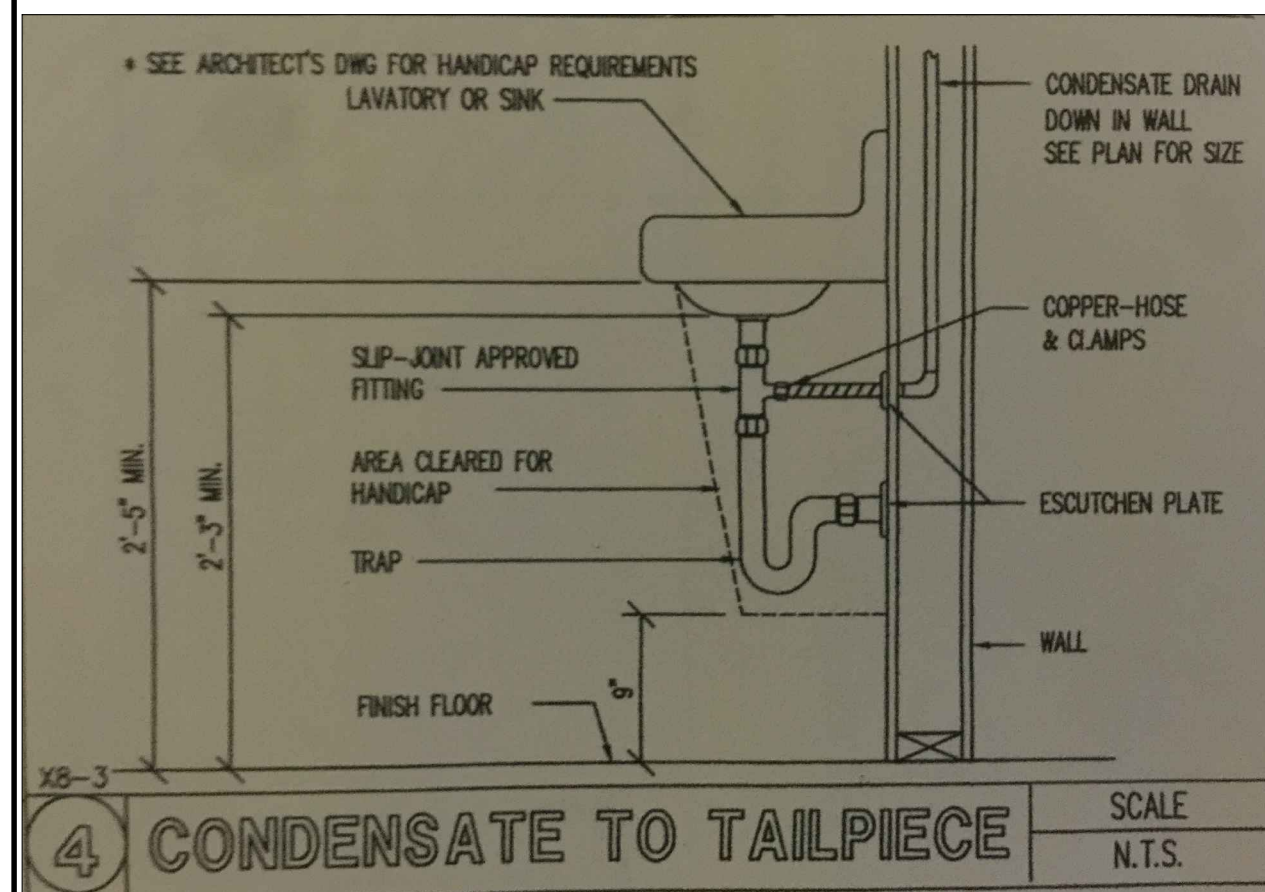
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DATE	BY	REVISIONS
12.13.18	J.M	2ND SUBMITTAL
03.15.19	J.M	3RD SUBMITTAL

-
- The diagram illustrates the test rig setup. It consists of a vertical column (1) and a horizontal base (2). A pressure transducer (3) is located at the bottom of the vertical column, connected to a data acquisition system.



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17

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- Diagram illustrating the structural panel unit with adjustment points. The unit is shown in cross-section, highlighting the internal structure and the adjustment mechanism. The diagram includes the following labels and callouts:
- STRUCTURAL PANEL UNIT.** (Label on the left)
 - ADJUST AS NEEDED** (Label at the top with arrows indicating adjustment range)
 - Callouts:**
 - ①: Points to the top and bottom horizontal adjustment tracks.
 - ②: Points to the vertical adjustment tracks on the left and right sides.
 - ③: Points to the central vertical track.
 - ④: Points to the central horizontal track.
 - ⑤: Points to the central square panel area.

13

-
- Technical drawing of a wall cross-section showing the installation of a window frame with a drainage system. The drawing includes labels for "SHEATHING." and "MODIFICATIONS." and numbered callouts 1 through 8. The components shown include the wall sheathing, window frame, drainage channel, and various fasteners and seals.

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9

-
- Technical drawing of a roof construction detail, showing a cross-section of a roof structure. The drawing includes a slope indicator of 1:1 and a section line labeled '2x.'. The components are labeled with numbers 1 through 12:
- 1: Roof slope indicator (1:1)
 - 2: Roof slope indicator (1:1)
 - 3: Roof slope indicator (1:1)
 - 4: Roof slope indicator (1:1)
 - 5: Roof slope indicator (1:1)
 - 6: Roof slope indicator (1:1)
 - 7: Roof slope indicator (1:1)
 - 8: Roof slope indicator (1:1)
 - 9: Roof slope indicator (1:1)
 - 10: Roof slope indicator (1:1)
 - 11: Roof slope indicator (1:1)
 - 12: Roof slope indicator (1:1)

5

1

-
- MAX.
1. Roof slope
2. Roof ridge
3. Roof eave
4. Roof overhang
5. Roof support
6. Roof truss
7. Roof purlin
8. Roof batten
9. Roof waterproofing
10. Roof insulation
11. Roof ventilation
12. Roof drainage
13. Roof edge

18

-

-
- Diagram illustrating a roof truss system. The structure consists of a central vertical member (9) and two diagonal members (7) forming a triangular truss. A horizontal member (8) connects the base of the diagonal members. A square cross-section (10) is shown on the central vertical member, with a dimension of 12" indicated. A label (6) points to the top horizontal member of the truss.

14

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-
- 1 1/2"
- 1
- DOUBLE STUDS**
(BEAR'G OR NON-BEAR'G)
-
- 5/8" MIN
- 3
- 4
- BEAR'G STUDS**
-
- 5/8" MIN
- 1
- 2
- NON-BEAR'G STUDS**
- NOTE:**
CUTCH AND BORING NOT TO OCCUR IN THE SAME STUD

10

-
- Technical drawing showing two cross-sections of a window frame assembly. The top section illustrates a window unit with a frame (1) and a seal (2) against a wall (9). The bottom section shows a similar assembly with a frame (3) and a seal (4) against a wall (7). Arrows indicate the direction of air flow or water penetration.

6

-

2

-

"d"	HEADER MAX SPAN
6"	6'-0"
8"	8'-0"
10"	10'-0"

"d"	HEADER MAX SPAN
6"	6'-0"
8"	8'-0"
10"	10'-0"

-
- Technical drawing of a window frame assembly. The drawing shows a cross-section of the frame and its connection to the wall. Numbered callouts identify the following components:
- 1: Top horizontal frame member.
 - 2: Vertical frame member.
 - 3: Glass pane.
 - 4: Gasket or sealant.
 - 5: Mounting bracket or support.
 - 6: Wall or structural support.

11

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7

-
- Diagram (A) shows a vertical rod passing through a horizontal wall. The rod has a nut and washer at the wall. Labels 1, 2, 3, and 4 point to the wall, the nut, the washer, and the rod, respectively.
- Diagram (B) shows a vertical rod passing through a horizontal wall. The rod has a nut and washer at the wall. Labels 1, 2, and 3 point to the wall, the nut, and the washer, respectively.

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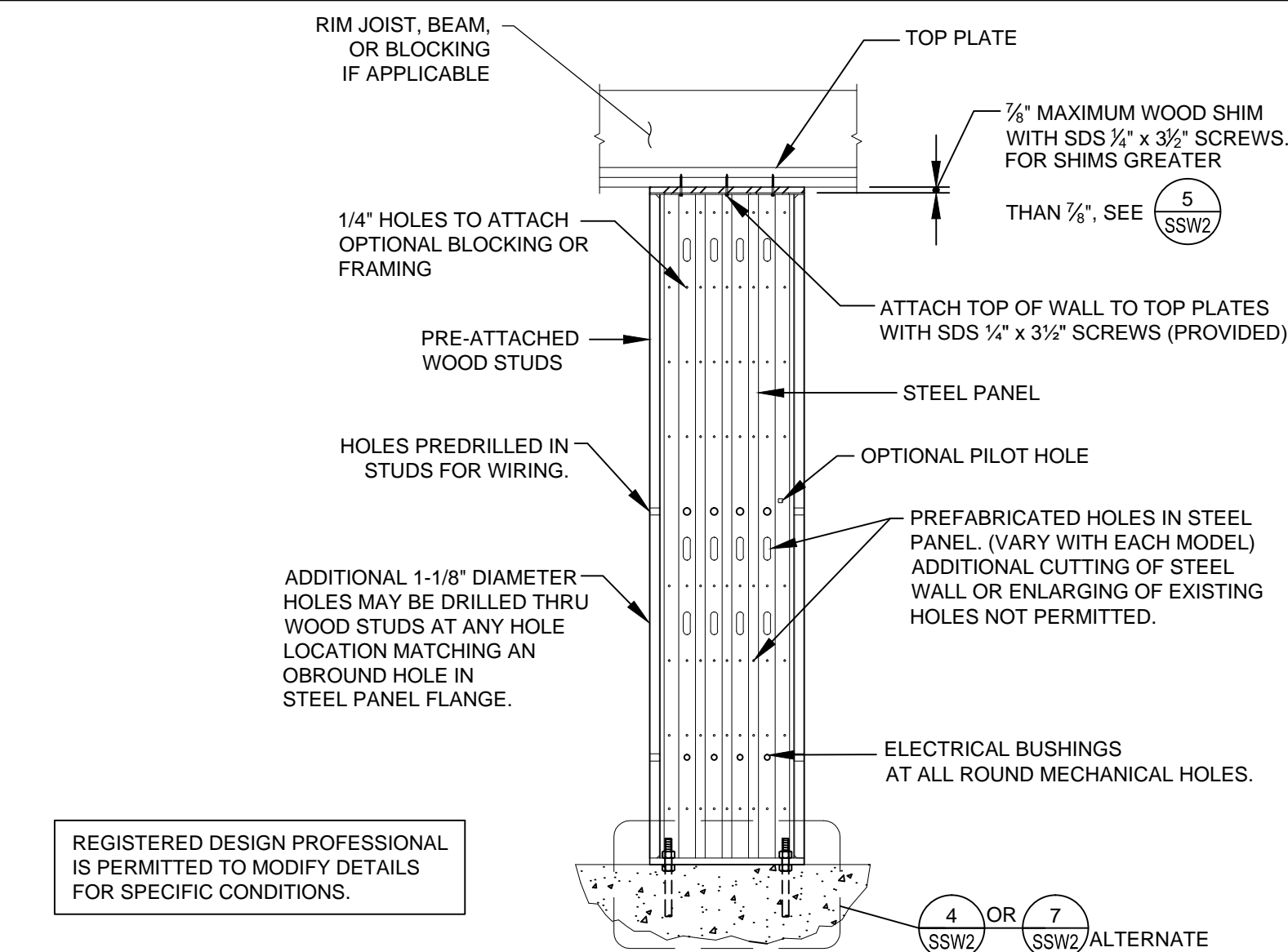
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STEEL STRONG-WALL MODELS						
STD. WALL MODEL NO.	-STK WALL MODEL NO.	H (in)	T (in)	HOLDOWN ANCHOR BOLTS ²	QTY. OF TOP OF WALL SCREWS ²	
SSW12x7	--	80	3 1/2	(2) 3/4"	4	
SSW15x7	--	80	3 1/2	(2) 1"	6	
SSW18x7	--	80	3 1/2	(2) 1"	9	
SSW21x7	--	80	3 1/2	(2) 1"	12	
SSW24x7	--	80	3 1/2	(2) 1"	14	
SSW12x7.4	--	85 1/2	3 1/2	(2) 3/4"	4	
SSW15x7.4	--	85 1/2	3 1/2	(2) 1"	6	
SSW18x7.4	--	85 1/2	3 1/2	(2) 1"	9	
SSW21x7.4	--	85 1/2	3 1/2	(2) 1"	12	
SSW24x7.4	--	85 1/2	3 1/2	(2) 1"	14	
SSW12x8	--	93 1/4	3 1/2	(2) 3/4"	4	
SSW15x8	SSW15x8-STK	93 1/4	3 1/2	(2) 1"	6	
SSW18x8	SSW18x8-STK	93 1/4	3 1/2	(2) 1"	9	
SSW21x8	SSW21x8-STK	93 1/4	3 1/2	(2) 1"	12	
SSW24x8	SSW24x8-STK	93 1/4	3 1/2	(2) 1"	14	
SSW12x9	--	105 1/4	3 1/2	(2) 3/4"	4	
SSW15x9	SSW15x9-STK	105 1/4	3 1/2	(2) 1"	6	
SSW18x9	SSW18x9-STK	105 1/4	3 1/2	(2) 1"	9	
SSW21x9	SSW21x9-STK	105 1/4	3 1/2	(2) 1"	12	
SSW24x9	SSW24x9-STK	105 1/4	3 1/2	(2) 1"	14	
SSW12x10	--	117 1/4	3 1/2	(2) 3/4"	4	
SSW15x10	SSW15x10-STK	117 1/4	3 1/2	(2) 1"	6	
SSW18x10	SSW18x10-STK	117 1/4	3 1/2	(2) 1"	9	
SSW21x10	SSW21x10-STK	117 1/4	3 1/2	(2) 1"	12	
SSW24x10	SSW24x10-STK	117 1/4	3 1/2	(2) 1"	14	
SSW15x11	SSW15x11-STK	129 1/4	5 1/2	(2) 1"	6	
SSW18x11	SSW18x11-STK	129 1/4	5 1/2	(2) 1"	9	
SSW21x11	SSW21x11-STK	129 1/4	5 1/2	(2) 1"	12	
SSW24x11	SSW24x11-STK	129 1/4	5 1/2	(2) 1"	14	
SSW15x12	SSW15x12-STK	141 1/4	5 1/2	(2) 1"	6	
SSW18x12	SSW18x12-STK	141 1/4	5 1/2	(2) 1"	9	
SSW21x12	SSW21x12-STK	141 1/4	5 1/2	(2) 1"	12	
SSW24x12	SSW24x12-STK	141 1/4	5 1/2	(2) 1"	14	
SSW18x13	SSW18x13-STK	153 1/4	5 1/2	(2) 1"	9	
SSW21x13	SSW21x13-STK	153 1/4	5 1/2	(2) 1"	12	
SSW24x13	SSW24x13-STK	153 1/4	5 1/2	(2) 1"	14	

TABLE NOTES:
1. SDS $\frac{1}{2}$ " x $\frac{3}{8}$ " SCREWS PROVIDED WITH WALL.
2. SEE SHEET SSW1 FOR ANCHORAGE SOLUTIONS.

STEEL STRONG-WALL MODELS



SINGLE-STORY SSW ON CONCRETE

GARAGE HEADER ROUGH OPENING HEIGHT

MODEL No.	H CURB	ROUGH OPENING HEIGHT
SSW12x7	5 $\frac{1}{2}$ "	7' - 1 $\frac{1}{2}$ "
SSW15x7	6"	7' - 2"
SSW18x7	6"	7' - 2"
SSW21x7	6"	7' - 2"
SSW24x7	6"	7' - 2"
SSW12x8	5 $\frac{1}{2}$ "	8' - 2 $\frac{3}{4}$ "
SSW15x8	6"	8' - 3 $\frac{1}{4}$ "
SSW18x8	6"	8' - 3 $\frac{1}{4}$ "
SSW21x8	6"	8' - 3 $\frac{1}{4}$ "
SSW24x8	6"	8' - 3 $\frac{1}{4}$ "

- THE HEIGHT OF THE GARAGE CURB ABOVE THE GARAGE SLAB IS CRITICAL FOR THE ROUGH HEADER OPENING AT GARAGE RETURN WALLS.
- SHIMS ARE NOT PROVIDED WITH STEEL STRONG-WALL.
- FURRING ON UNDERSIDE OF GARAGE HEADER MAY BE NECESSARY FOR LESSER ROUGH OPENING HEIGHTS.

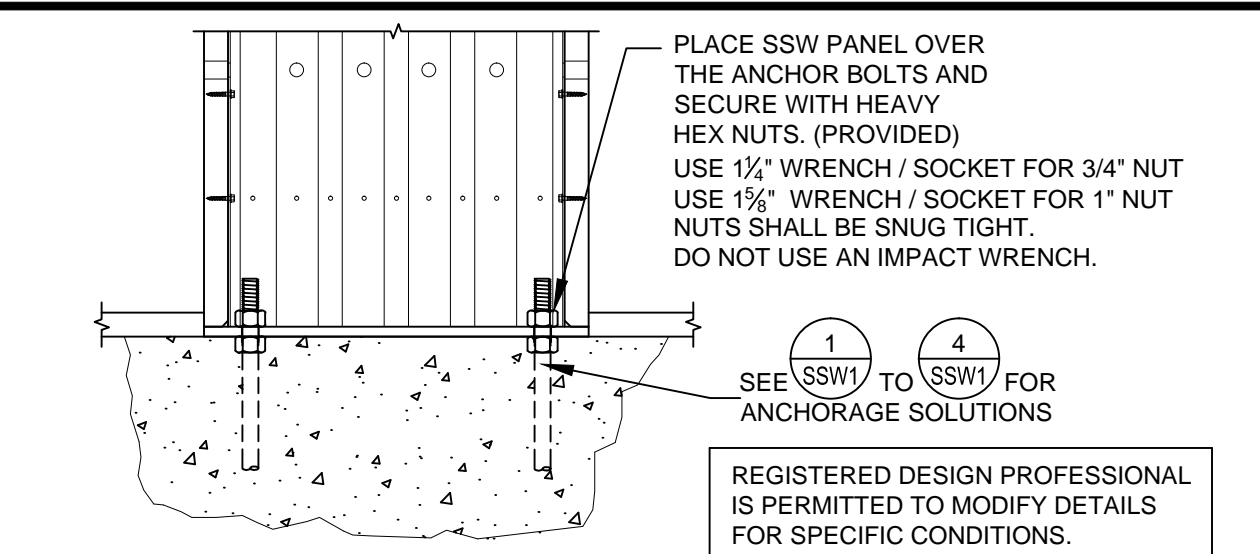
REGISTERED DESIGN PROFESSIONAL IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.



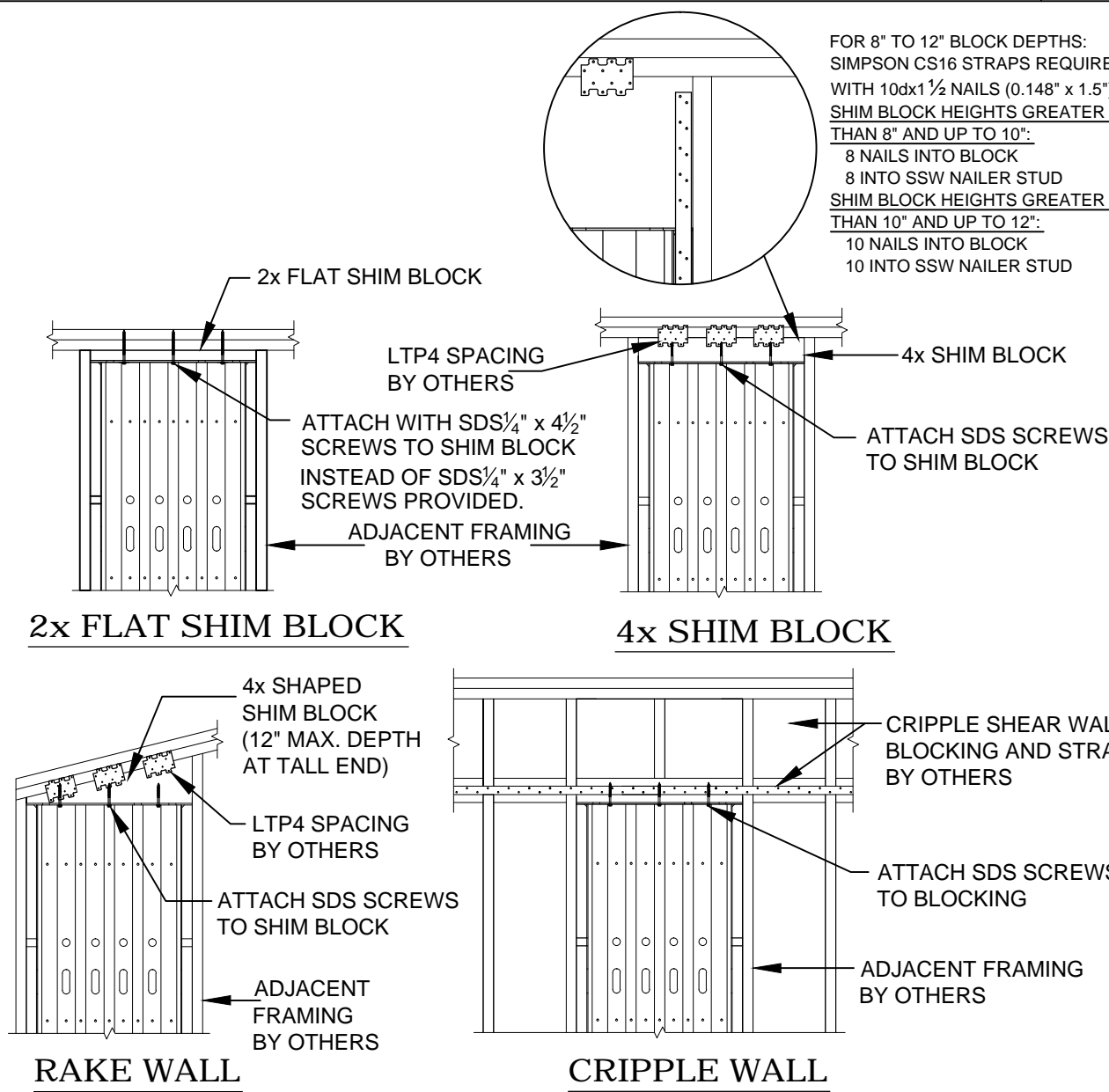
GARAGE WALL OPTION 2 FOR GARAGE WALL OPTION 2

REGISTERED DESIGN PROFESSIONAL SHALL DESIGN FOR:
1. SHEAR TRANSFER
2. OUT OF PLANE LOADING EFFECT
3. INCREASED OVERTURNING AND DRIFT DUE TO ADDITIONAL HEIGHT.

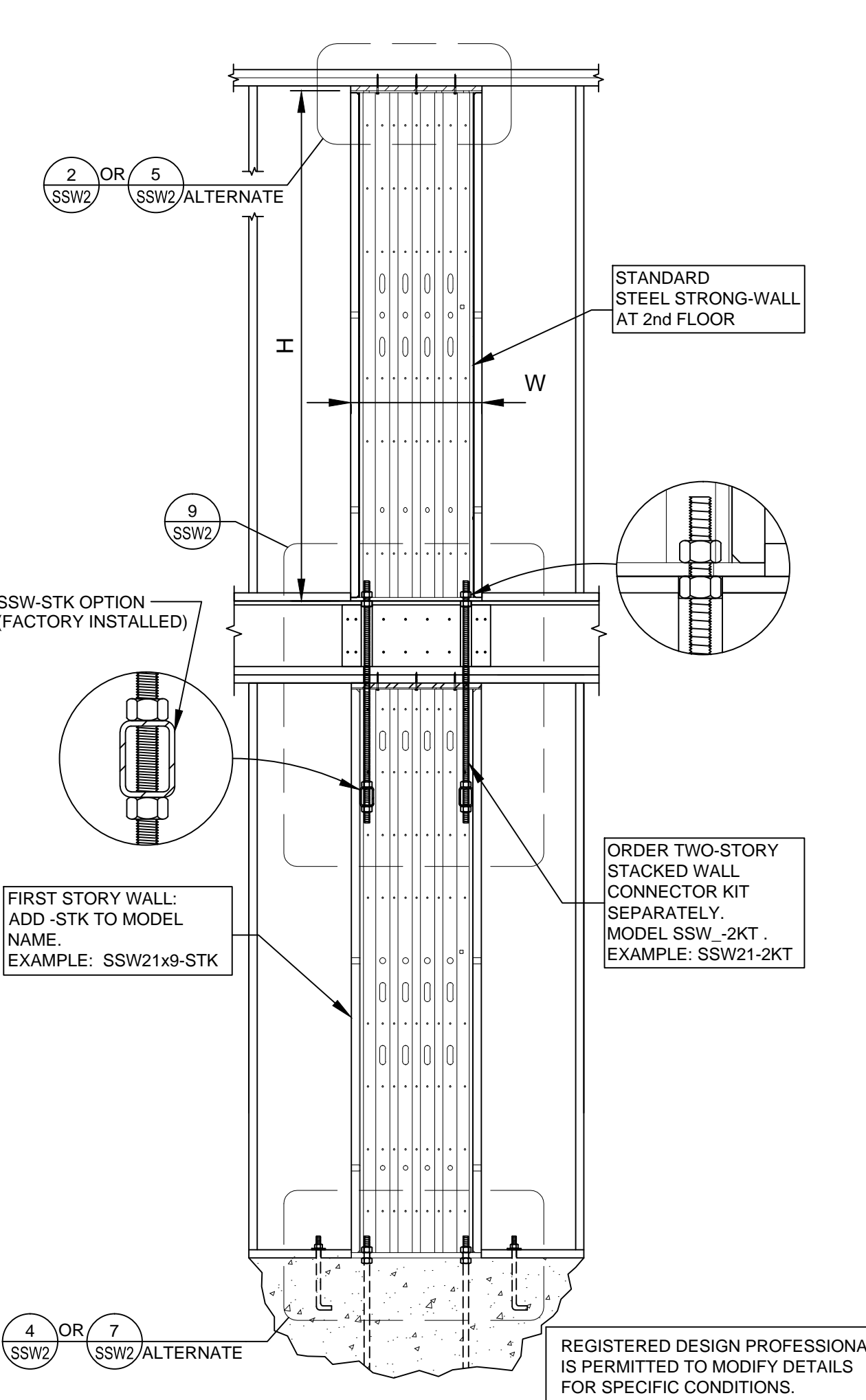
ALTERNATE GARAGE WALL OPTIONS



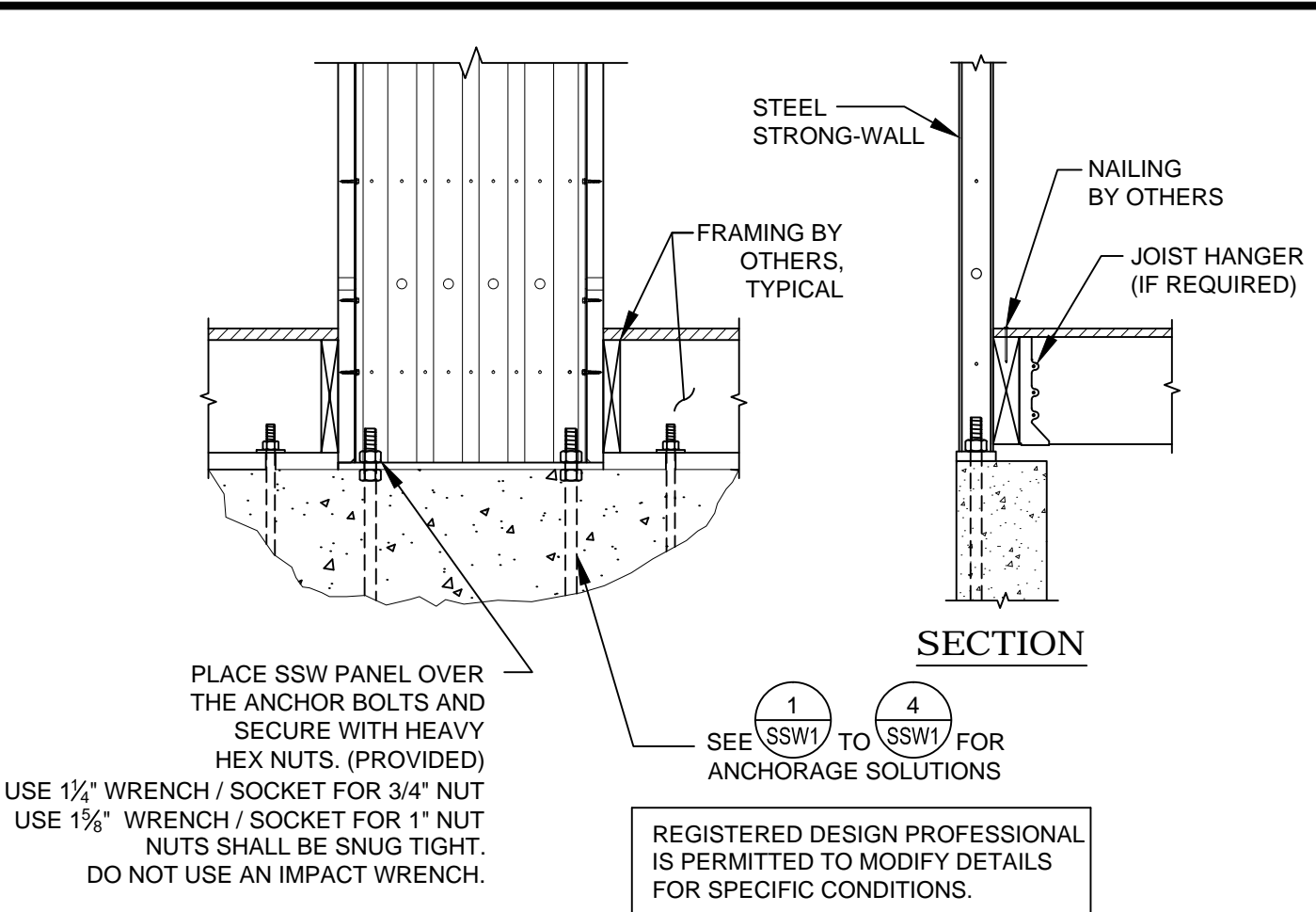
STRONG-WALL ON CONCRETE



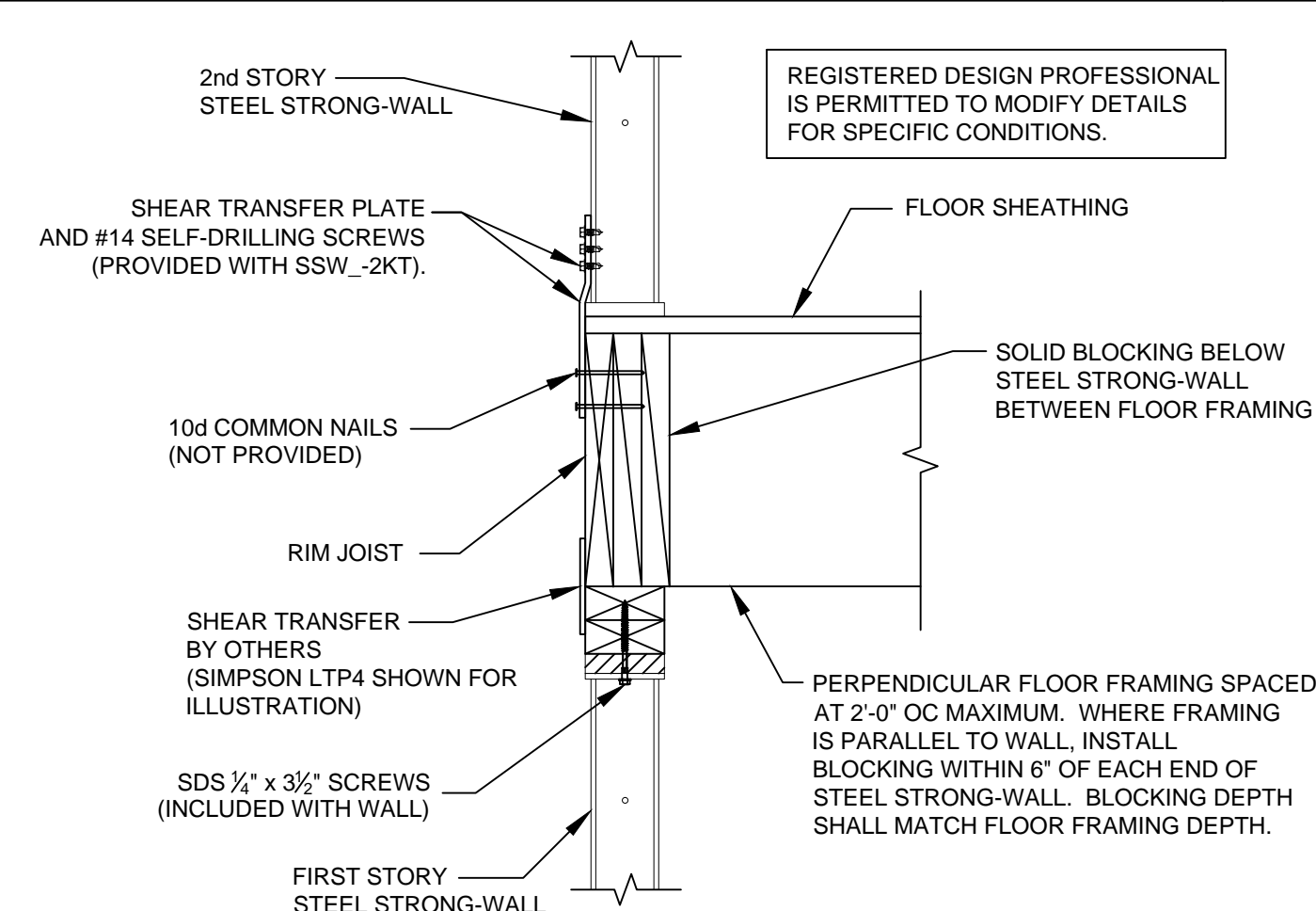
TOP OF WALL HEIGHT ADJUSTMENTS



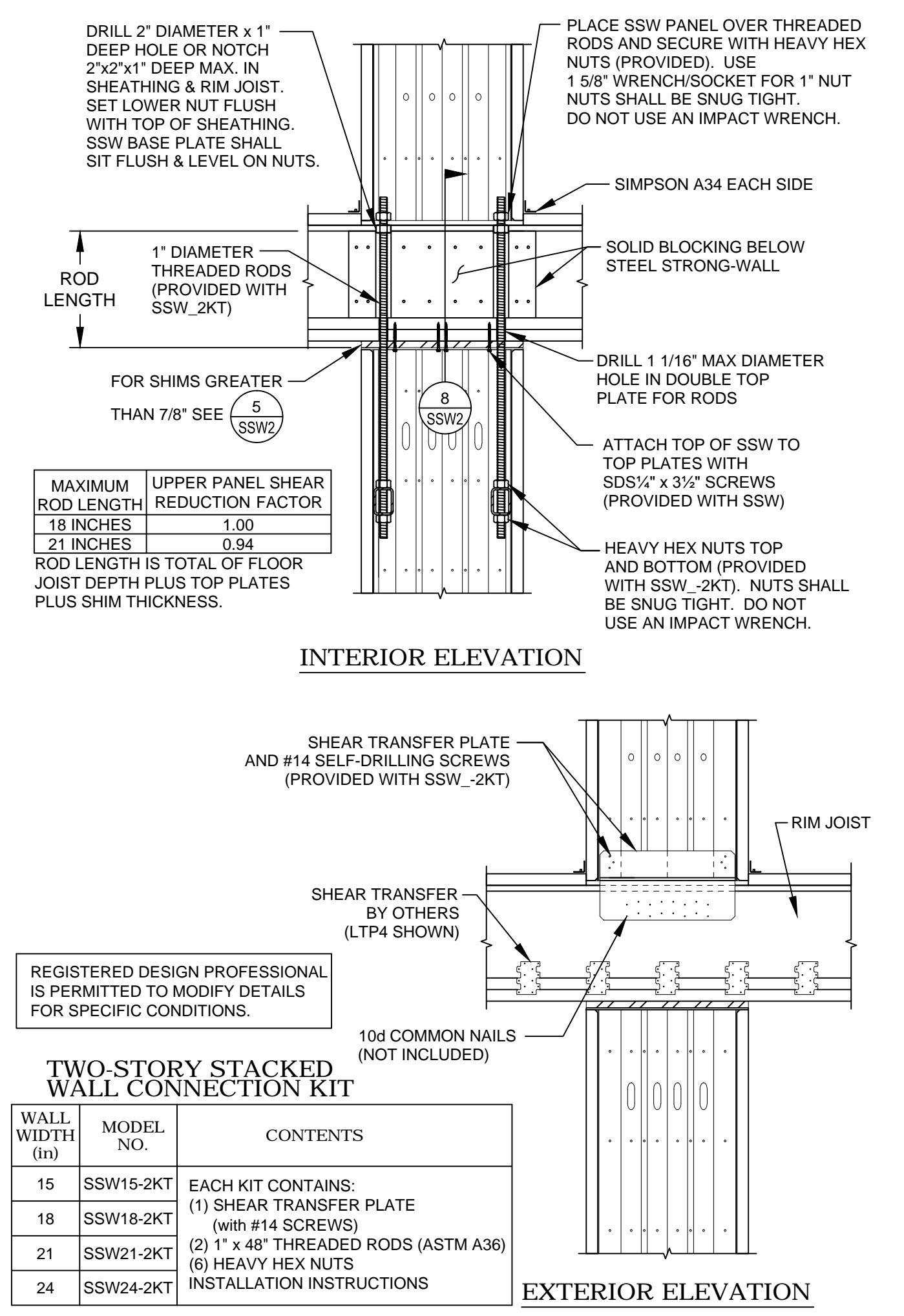
TWO-STORY STACKED



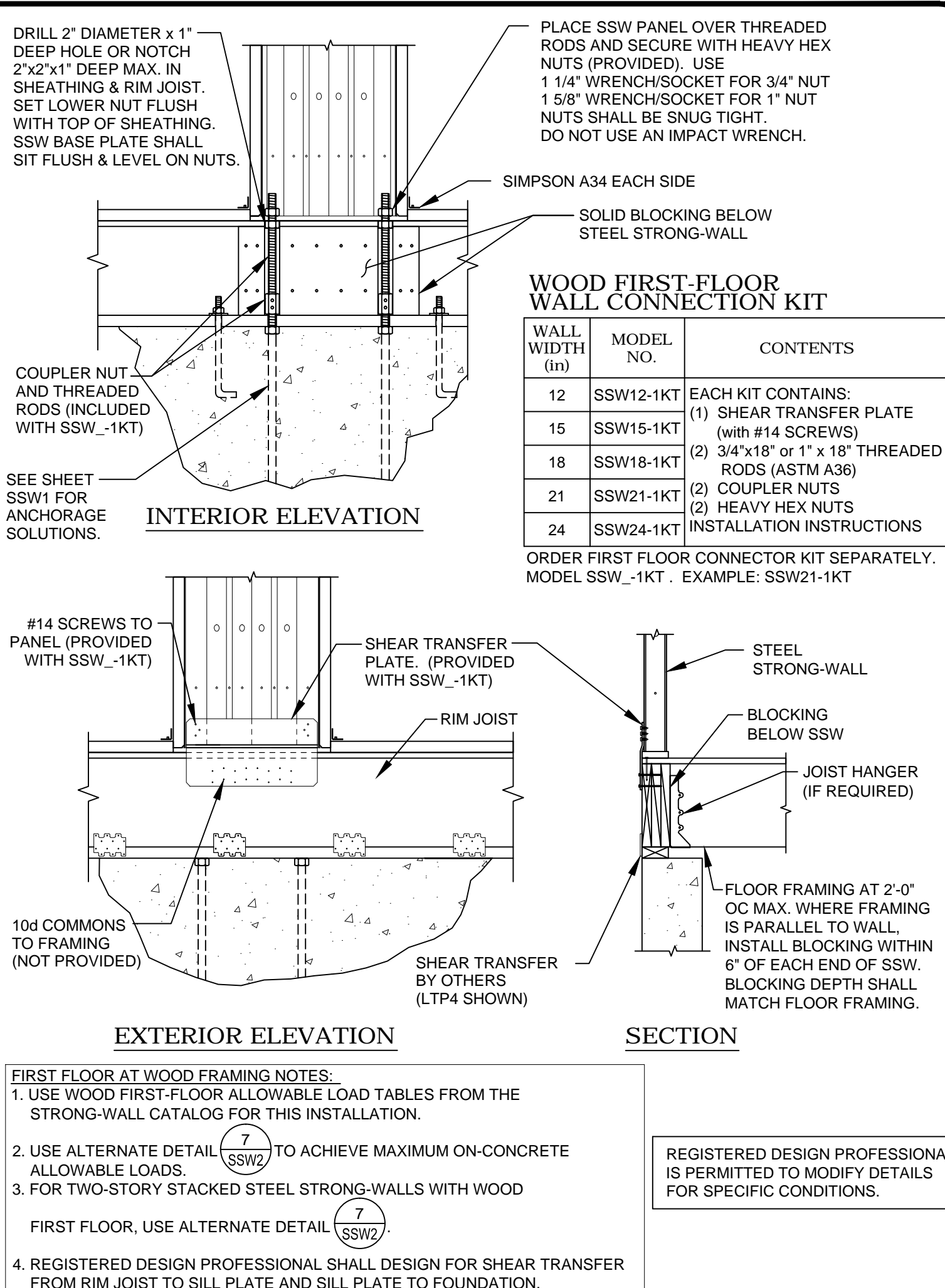
ALTERNATE 1ST FLOOR WOOD FRAMING



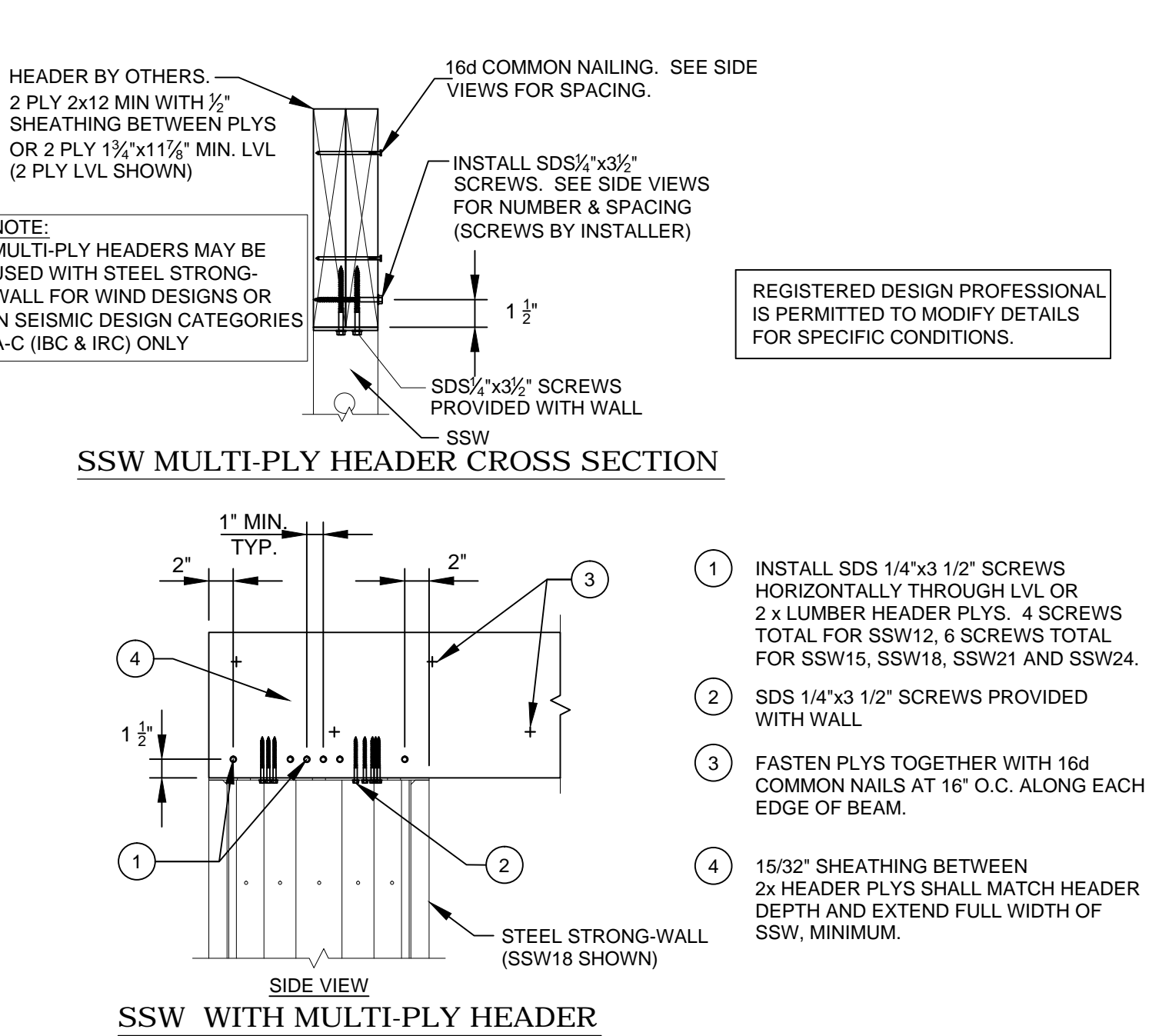
TWO-STORY STACKED FLOOR SECTION



TWO-STORY STACKED FLOOR FRAMING



FIRST FLOOR AT WOOD FRAMING



MULTI-PLY HEADERS

- STEEL STRONG-WALL SHEARWALL IS MANUFACTURED AND TRADEMARKED BY "SIMPSON STRONG-TIE COMPANY, INC." HOME OFFICE: 5956 W. LAS POSITAS BLVD., PLEASANTON, CA 94588 TEL: (800) 999-5099, FAX: (925) 847-1597.
- "SIMPSON STRONG-TIE COMPANY, INC." IS AN ISO 9001 REGISTERED COMPANY.
- USE OF THIS PRODUCT IS SUBJECT TO THE APPROVAL OF THE LOCAL BUILDING DEPARTMENT.
- THIS PRODUCT IS PART OF THE OVERALL LATERAL FORCE RESISTING SYSTEM OF THE STRUCTURE. DESIGN OF THE BUILDING'S LATERAL FORCE RESISTING SYSTEM, INCLUDING THE LOAD PATH TO TRANSFER LATERAL FORCES FROM THE STRUCTURE TO THE GROUND, IS THE RESPONSIBILITY OF THE SPECIFIER.
- ENGINEER OF RECORD IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ELEVATIONS, ETC. PRIOR TO INSTALLATION OF ANY COMPONENTS FOR THE STEEL STRONG-WALL SYSTEM. IF ANY DISCREPANCIES ARE FOUND, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE SPECIFIER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
- INSTALLATION OF PRODUCT SHALL BE DONE IN CONFORMANCE TO THESE DRAWINGS. THE PERFORMANCE OF MODIFIED PRODUCTS OR ALTERED INSTALLATION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE SPECIFIER.
- SIMPSON STRONG-TIE COMPANY, INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, DESIGNS, AND MODELS WITHOUT NOTICE OR LIABILITY FOR SUCH CHANGES.
- ALL HARDWARE CALLED OUT IS SIMPSON STRONG-TIE.

NOTES

NO.	DATE	REVISIONS
1	9/21/2009	2006 IBC REVISIONS
2	4/16/2014	2012 IBC REVISIONS

SIMPSON STRONG-TIE COMPANY, INC.
HOME OFFICE: 5956 W. LAS POSITAS BLVD., PLEASANTON, CA 94588
TEL: (800) 999-5099

SIMPSON Strong-Tie
THERE IS NO EQUAL

STEEL STRONG-WALL FRAMING DETAILS ENGINEERED DESIGNS

SIMPSON Strong-Tie
THERE IS NO EQUAL

NAME	
DATE	4-16-2014
SCALE	N.T.S.
CHECKED	
SHEET	SSW2
OF SHEETS	
JOB NO.	

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: NEW UNIT 892

Calculation Description: Title 24 Analysis

Calculation Date/Time: 11:44, Mon, Nov 05, 2018

Input File Name: A18-8491R.rbd16x

CF1R-PRF-01

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GENERAL INFORMATION				
01	Project Name	NEW UNIT 892		
02	Calculation Description	Title 24 Analysis		
03	Project Location	892 E 9TH ST		
04	City	POMONA	05	Standards Version
06	Zip Code	91766	07	Compliance Manager Version
08	Climate Zone	C29	09	Software Version
10	Building Type	Single Family	11	Front Orientation (deg/Cardinal)
12	Project Scope	Newly Constructed	13	Number of Dwelling Units
14	Total Cond. Floor Area (ft ²)	1365	15	Number of Zones
16	Slab Area (ft ²)	1365	17	Number of Stories
18	Addition Cond. Floor Area (ft ²)	n/a	19	Natural Gas Available
20	Addition Slab Area (ft ²)	n/a	21	Glazing Percentage (%)

COMPLIANCE RESULTS	
01	Building Complies with Computer Performance
02	This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEO-approved HERS provider.
03	This building incorporates one or more Special Features shown below

ENERGY USE SUMMARY				
04	05	06	07	08
Energy Use (KTDVt/yr)	Standard Design	Proposed Design	Compliance Margin	Percent Improvement
Space Heating	5.18	3.33	1.85	35.7%
Space Cooling	13.99	15.09	-1.10	-7.9%
IAQ Ventilation	1.47	1.47	0.00	0.0%
Water Heating	11.94	10.31	1.63	13.7%
Photovoltaic Offset	---	0.00	0.00	---
Compliance Energy Total	32.58	30.20	2.38	7.3%

Registration Number: 418-P010087330A-000-000-0000000-0000
CA Building Energy Efficiency Standards - 2016 Residential Compliance

Registration Date/Time: 11/05/2018 11:47
Report Version - CF1R-10232018-1149

HERS Provider: CHEERS
Report Generated at: 2018-11-05 11:44:22

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: NEW UNIT 892

Calculation Description: Title 24 Analysis

Calculation Date/Time: 11:44, Mon, Nov 05, 2018

Input File Name: A18-8491R.rbd16x

CF1R-PRF-01

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ENERGY DESIGN RATING			
Energy Design Rating (EDR) is an alternate way to express the energy performance of a building using a scoring system where 100 represents the energy performance of the Residential Energy Services (RESNET) reference home characterization of the 2006 International Energy Conservation Code (IECC) with California modeling assumptions. A score of zero represents the energy performance of a building that combines high levels of energy efficiency with renewable generation to "zero out" its TDV energy. Because EDR includes consideration of components not regulated by Title 24, Part 6 (such as domestic appliances and consumer electronics), it is not used to show compliance with Part 6 but may instead be used by local jurisdictions pursuing local ordinances under Title 24, Part 11 (CALGreen).			
As a Standard Design building under the 2016 Building Energy Efficiency Standards is significantly more efficient than the baseline EDR building, the EDR of the Standard Design building is provided for information. Similarly, the EDR score of the Proposed Design is provided separately from the EDR value of installed PV so that the effects of efficiency and renewable energy can both be seen			
EDR of Standard Efficiency	EDR of Proposed Efficiency	EDR Value of Proposed PV + Battery	Final Proposed EDR

<input type="checkbox"/>	Design meets Tier 1 requirement of 15% or greater code compliance margin (CALGreen A4.203.1.2.1) and QII verification prerequisite.
<input type="checkbox"/>	Design meets Tier 2 requirement of 30% or greater code compliance margin (CALGreen A4.203.1.2.2) and QII verification prerequisite.
<input type="checkbox"/>	Design meets Zero Net Energy (ZNE) Design Designation requirement for Single Family in climate zone C29 (Burbank) (CALGreen A4.203.1.2.3) including on-site photovoltaic (PV) renewable energy generation sufficient to achieve a Final Energy Design Rating (EDR) of zero or less. The PV System must be verified.

Notes:
L. Excess PV Generation EDR Credit: Bypassing PV size limit may violate Net Energy Metering (NEM) rules

REQUIRED SPECIAL FEATURES
The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.
Insulation below roof deck

HERS FEATURE SUMMARY
The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building components tables below.

Building-level Verifications:
 • IAQ mechanical ventilation
 Cooling System Verifications:
 • Minimum Airflow
 • Verified EER
 • Verified Refrigerant Charge
 • Fan Efficacy Watts/CFM
 HVAC Distribution System Verifications:
 • Duct Sealing
 • Duct Design-Return
 • Duct Design-Supply
 Domestic Hot Water System Verifications:
 • -- None --

Registration Number: 418-P010087330A-000-000-0000000-0000
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BUILDING - FEATURES INFORMATION						
01	02	03	04	05	06	07
Project Name	Conditioned Floor Area (ft ²)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems
NEW UNIT 892	1365	1	3	1	0	1

ZONE INFORMATION						
01	02	03	04	05	06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft ²)	Avg. Ceiling Height	Water Heating System 1	Water Heating System 2
FLOOR PLAN	Conditioned	UNIT 892.1	1365	9	DHW Sys 1	n/a

OPAQUE SURFACES							
01	02	03	04	05	06	07	08
Name	Zone	Construction	Area (ft ²)	Orientation	Gross Area (ft ²)	Window & Door Area (ft ²)	Tilt (deg)
WEST WALL	FLOOR PLAN	R-15 Wall	270	Right	408	27	90
EAST WALL	FLOOR PLAN	R-15 Wall	90	Left	408	73	90
NORTH WALL	FLOOR PLAN	R-15 Wall	0	Front	280	0	90
SOUTH WALL	FLOOR PLAN	R-15 Wall	180	Back	280	8	90
R-30 Roof	FLOOR PLAN	R-30 Roof Attic	n/a	n/a	1365	n/a	n/a

ATTIC							
01	02	03	04	05	06	07	08
Name	Construction	Type	Roof Rise	Roof Reflectance	Roof Emittance	Radiant Barrier	Cool Roof
Attic FLOOR PLAN	Attic Roof/FLOOR PLAN	Ventilated	4	0.1	0.85	Yes	No

FENESTRATION / GLAZING									
01	02	03	04	05	06	07	08	09	10
Name	Type	Surface (Orientation-Azimuth)	Width (ft)	Height (ft)	Multiplier	Area (ft ²)	U-factor	SHGC	Exterior Shading
WINDOWS	Window	WEST WALL (Right-270)	---	---	1	27.0	0.32	0.25	Insect Screen (default)
WINDOWS 2	Window	EAST WALL (Left-90)	---	---	1	73.0	0.32	0.25	Insect Screen (default)
WINDOWS 3	Window	SOUTH WALL (Back-180)	---	---	1	8.0	0.32	0.25	Insect Screen (default)

Registration Number: 418-P010087330A-000-000-0000000-0000
CA Building Energy Efficiency Standards - 2016 Residential Compliance

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: NEW UNIT 892

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CF1R-PRF-01

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OPAQUE SURFACE CONSTRUCTIONS						
01	02	03	04	05	06	07
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Winter Design U-factor	Assembly Layers
Attic Roof/FLOOR PLAN	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	R 30	0.043	• Around Roof Joists: R-17.0 Insul. • Cavity / Frame: R-13.0 / 2x4 Top Chrd • Roof Deck: Wood Siding/sheathing/decking • Roofing: Light Roof (Asphalt Shingle)
R-30 Roof Attic	Ceilings (below attic)	Wood Framed Ceiling	2x4 @ 24 in. O.C.	R 30	0.032	• Inside Finish: Gypsum Board • Cavity / Frame: R-9.1 / 2x4 • Over Ceiling Joists: R-20.9 Insul.
R-15 Wall	Exterior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	R 15	0.036	• Inside Finish: Gypsum Board • Sheathing / Insulation: R15 Sheathing • Cavity / Frame: R-15 / 2x4 • Exterior Finish: 3 Coat Stucco

SLAB FLOORS						
01	02	03	04	05	06	07
Name	Zone	Area (ft ²)	Perimeter (ft)	Edge Insul. R-value & Depth	Carpeted Fraction	Heated
Covered Slab	FLOOR PLAN	1365	172	None	0.8	No

BUILDING ENVELOPE - HERS VERIFICATION			
01	02	03	04
Quality Insulation Installation (QII)	Quality Installation of Spray Foam Insulation	Building Envelope Air Leakage	CFM50
Not Required	Not Required	Not Required	n/a

WATER HEATING SYSTEMS					
01	02	03	04	05	06
Name	System Type	Distribution Type	Water Heater	Number of Heaters	Solar Fraction (%)
DHW Sys 1	DHW	Standard	DHW Heater 1 (1)	1	0%

WATER HEATERS											
01	02	03	04	05	06	07	08	09	10	11	12
Name	Heater Element Type	Tank Type	Number of Units	Tank Volume (gal)	Uniform Energy Factor / Energy Efficiency	Input Rating / Pilot / Thermal Efficiency	Tank Insulation R-value (Int/Ext)	Standby Loss / Recovery Eff	First Hour Rating / Flow Rate	NEEA Heat Pump Brand / Model / Other	Tank Location or Ambient Condition
DHW Heater 1	Gas	Small Instantaneous	1	0.500000	0.95 EF	<= 200 kBtu/hr	R-0/R-0	0	n/a	n/a	n/a

Registration Number: 418-P010087330A-000-000-0000000-0000
CA Building Energy Efficiency Standards - 2016 Residential Compliance

Registration Date/Time: 11/05/2018 11:47
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ADMINISTRATIVE REQUIREMENTS

- A) The person in charge of the construction or installation, who is eligible under Division 3 of the Business and Professions Code to accept responsibility for the construction or installation of regulated manufactured devices shall post, or make available with the building permit(s) issued for the building, the Certificate of Installation documentation for manufactured devices regulated by the Appliance Efficiency Regulations or Part 6. Such Certificate of Installation documentation shall be made available to the enforcement agency for all applicable inspections. These certificates shall:
- Identify features, materials, components, manufactured devices, and system diagnostic results required to verify compliance with the Appliance Efficiency Regulations and Part 6.
 - State the number of the building permit under which the construction or installation was performed. Sections of the certificate(s), for which submittal to a HERS provider data registry is required, shall display the unique registration number assigned by the HERS data registry.
 - Include a declaration statement indicating that the constructed or installed features, materials, components, or manufactured devices conform to all applicable codes and regulations, and to the requirements for such devices given in the plans and specifications approved by the local enforcement agency.
 - Be signed by the documentation author to certify the documentation is accurate and complete.
 - Be signed by the individual eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or installation in the applicable classification for the scope of work specified on the Certificate of Installation document(s). Sec. 10-103 (a) 3 A
- B) The builder shall provide the building owner or the person(s) responsible for operation and maintenance of the feature, material, component or mechanical device installed (in case of multi-tenant or centrally operated buildings) with the following at the time of occupancy:
- Compliance information. The appropriate completed and signed Certificate(s) of Compliance, Certificate(s) of Installation, and if applicable Certificate(s) of Verification documentation submitted.
 - Operating information. The appropriate Certificate(s) of Compliance and a list of the features, materials, components, and mechanical devices installed in the building and instructions on how to operate them correctly and efficiently.
 - Maintenance information. Required routine maintenance actions shall be clearly stated and incorporated on a readily accessible label. The label may be limited to identifying the operation and maintenance manual.
 - Ventilation Information. A description of the quantity of outdoor air that the ventilation system is designed to provide to the building conditioned space, and instructions for proper operation and maintenance. Sec. 10-103 (b)
- C) The Enforcement agency shall not issue a Certificate of Occupancy until all required Certificates of Verification are posted and made available to the building department for all applicable inspections, and that all Certificates of Verification conform to the specifications of Section 10-103(a)5. Sec. 10-103 (d) 2

8-1-2017



REVISIONS BY

PERFECT DESIGN & INVESTMENT, INC.
Design & Consulting
Air-Conditioning, Plumbing, Fire Sprinkler System,
Electrical, Title 24 Energy Calculation.
2416 W. Valley Blvd.
Alhambra, CA 91803
E-Mail: PERFECTIAA@aol.com Fax: (626) 289-4913
P-101perfectdesign.com

NEW UNIT 892
892 E 9TH ST
POMONA, CA 91766

Date 11/5/2018

Scale

Drawn

Job #A18-8491R

Sheet 1

RESIDENTIAL
T24 SHEET

Of 3 Sheets

SPACE CONDITIONING SYSTEMS									
01	02	03	04	05	06				
SC Sys Name	System Type	Heating Unit Name	Cooling Unit Name	Fan Name	Distribution Name				
UNIT 8921	Other Heating and Cooling System	Heating Component 1	Cooling Component 1	HVAC Fan 1	Air Distribution System 1				
HVAC - HEATING UNIT TYPES									
01	02	03	04						
Name	System Type	Number of Units	Efficiency	Zonally Controlled	Compressor Type	HERS Verification			
Heating Component 1	CntrlFurnace	1	80 AFUE						
HVAC - COOLING UNIT TYPES									
01	02	03	04	05	06	07	08		
Name	System Type	Number of Units	EER	SEER	Zonally Controlled	Compressor Type	HERS Verification		
Cooling Component 1	SplitAirCond	1	12.2	14	Not Zonal	Single Speed	Cooling Component 1-hers-cool		
HVAC COOLING - HERS VERIFICATION									
01	02	03	04	05	06				
Name	Verified Airflow	Airflow Target	Verified EER	Verified SEER	Verified Refrigerant Charge				
Cooling Component 1-hers-cool	Required	350	Required	Not Required	Required				
HVAC - DISTRIBUTION SYSTEMS									
01	02	03	04	05	06	07	08	09	10
		Duct Insulation R-value		Duct Location		Duct Surface Area			
Name	Type	Supply	Return	Supply	Return	Supply	Return	Bypass Duct	HERS Verification
Air Distribution System 1	DuctsAttic	6	6	Attic	Attic	0	0	None	Air Distribution System 1-hers-dist
HVAC DISTRIBUTION - HERS VERIFICATION									
01	02	03	04	05	06	07	08		
Name	Duct Leakage Verification	Duct Leakage Target (%)	Verified Duct Location	Verified Duct Design	Buried Ducts	Deeply Buried Ducts	Low-leakage Air Handler		
Air Distribution System 1-hers-dist	Required	5.0	Not Required	Required	Not Required	Not Required	n/a		

HVAC - FAN SYSTEMS					
01		02		03	
04					
Name		Type		Fan Power (Watts/CFM)	
HERS Verification					
HVAC Fan 1		Single Speed PSC Furnace Fan		0.58	
HVAC Fan 1-hers-fan					
HVAC FAN SYSTEMS - HERS VERIFICATION					
01		02		03	
Name		Verified Fan Watt Draw		Required Fan Efficiency (Watts/CFM)	
HVAC Fan 1-hers-fan		Required		0.58	
IAQ (Indoor Air Quality) FANS					
01		02		03	
04		05		06	
Dwelling Unit		IAQ CFM		IAQ Watts/CFM	
IAQ Fan Type		IAQ Recovery Effectiveness(%)		HERS Verification	
Sfam IAQVenRpt	44	0.25	Default	0	Required

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Raymond Zhong	Documentation Author Signature: Raymond Zhong
Company: Perfect Design	Signature Date: 11/05/2018
Address: 2416 W. Valley Boulevard	CEA/HERS Certification Identification (if applicable): No. M-27835 Exp. 06-30-19
City/State/Zip: Alhambra, CA 91803	Phone: 626-289-8808
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California: 1. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance. 2. I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.	
Responsible Designer Name: Jim Murillo	Responsible Designer Signature: Jim Murillo
Company: Construction Design	Date Signed: 11/05/2018
Address: 3241 Santa Ana	License:
City/State/Zip: Huntington Park, CA 90255	Phone: (909) 762-9278

Digitally signed by CHEERS™. This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.



RESIDENTIAL MEASURES SUMMARY										RMS-1
Project Name NEW UNIT 892		Building Type <input checked="" type="checkbox"/> Single Family <input type="checkbox"/> Addition Alone <input type="checkbox"/> Multi Family <input type="checkbox"/> Existing+ Addition/Alteration				Date 11/5/2018				
Project Address 892 E 9TH ST POMONA		California Energy Climate Zone CA Climate Zone 09		Total Cond. Floor Area 1,365		Addition n/a		# of Units 1		
INSULATION		Area								
Construction Type		Cavity	Area (ft²)	Special Features			Status			
Roof	Wood Framed Attic	R 30	1,365	Add-R-30.0			New			
Wall	Wood Framed	R 15	1,268	Add-R-15.0			New			
Slab	Unheated Slab-on-Grade	- no insulation	1,365	Perim = 172'			New			
FENESTRATION										
		Total Area: 108	Glazing Percentage: 7.9%		New/Averaged Average U-Factor: 0.32					
Orientation	Area(ft²)	U-Fac	SHGC	Overhang	Sidefins	Exterior Shades		Status		
Right (W)	27.0	0.320	0.25	none	none	Bug Screen		New		
Left (E)	73.0	0.320	0.25	none	none	Bug Screen		New		
Rear (S)	8.0	0.320	0.25	none	none	Bug Screen		New		
HVAC SYSTEMS										
Qty. Heating		Min. Eff	Cooling	Min. Eff	Thermostat	Status				
1	Central Furnace	80% Efficiency	Split Air Conditioner	14.0 SEER	Setback	New				
HVAC DISTRIBUTION										
Location Heating		Cooling	Duct Location		Duct R-Value	Status				
UNIT 892		Ducted	Ducted	Attic	6.0	New				
WATER HEATING										
Qty. Type		Gallons	Min. Eff	Distribution		Status				
1	Small Instantaneous Gas	1	0.95	Standard		New				
EnergyPro 7.2 by EnergySoft					User Number: 1919		ID: A18-8491R		Page 10 of 19	