

ALL WORKS SHALL COMPLY WITH ALL THE APPLICABLE FEDERAL LAWS, STATE STATUTES, LOCAL ORDINANCES AND THE REGULATIONS OF AGENCIES HAVING JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLYING WITH THE CONSTRUCTION SAFETY ORDERS AND THE GENERAL INDUSTRY SAFETY ORDERS OF THE STATE OF CALIFORNIA, FIRE AND HEALTH ADMINISTRATION AND SUCH OTHER AGENCIES GOVERNING THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND HOLD HARMLESS THE STRUCTURAL ENGINEER, ARCHITECT AND OWNER FOR ANY DAMAGES AND/OR PENALTIES RESULTING FROM HIS FAILURE TO COMPLY WITH SAID LAWS, STATUTES, ORDINANCES AND REGULATIONS.

2. THE FOLLOWING NOTES AND SPECIFICATIONS ARE * UNLESS OTHERWISE NOTED *
CONFLICT BETWEEN THE SPECIFIC NOTES AND THE GENERAL SHOULD BE CLARIFIED
WITH THE STRUCTURAL ENGINEER-OF-RECORD PRIOR TO THE COMMENCEMENT OF
WORK. NO OTHER METHOD CONSTRUCTION OR SUBSTITUTION SHALL BE ALLOWED
WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OR ARCHITECT.

STRUCTURAL CONCRETE NOTES

1. THERE SHALL BE NO DEVIATION FROM THE STRUCTURAL DETAILS WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER-OF-RECORD. APPROVAL BY THE LOCAL BUILDING INSPECTOR DOES NOT CONSTITUTE AUTHORITY TO DEVIATE FROM THE CONTRACT DOCUMENTS.
2. MATERIALS
 - A. CONCRETE TO BE: 1. ISOLATED PADS: 2,500 PSI @ 28 DAYS; NO INSPECTION
 2. CONTINUOUS FTG: 2,500 PSI @ 28 DAYS; NO INSPECTION
 3. GRADE BEAMS: 3,000 PSI @ 28 DAYS; WITH INSPECTION
 4. SLAB ON GRADE: 2,500 PSI @ 28 DAYS; NO INSPECTION
 5. STRUCTURAL SLAB: 2,500 PSI 28 DAYS; WITH INSPECTION
 6. PRE-STRESS CONCRETE, WITH INSPECTION
 7. SPECIAL MOMENT RESISTING CONCRETE FRAMES: WITH SPECIAL INSPECTION
 8. SSB, STD/H4 WITH SPECIAL INSPECTION
- B. CEMENT - TESTED TYPE 1 PORTLAND (ASTM C-150)
- C. AGGREGATES - 1 1/2" MAX. FOR FOOTING AND 1" MAX. FOR ALL OTHER WORK (ASTM C-33)
- D. WATER - DRINKABLE
- E. REINFORCEMENT - NEW BILLET STEEL DEFORMED BARS (ASTM A-615 GRADE 40 UNLESS OTHERWISE NOTED) CLEAN AND UNRUSTED. MINIMUM SHALL BE 36 BAR DIAMETERS AT SPLICES AND FOUR JOINTS (24" MINIMUM).
3. ONLY ONE GRADE OF CONCRETE SHALL BE PERMITTED ON THE JOB SITE AT ONE TIME.

STEEL NOTES

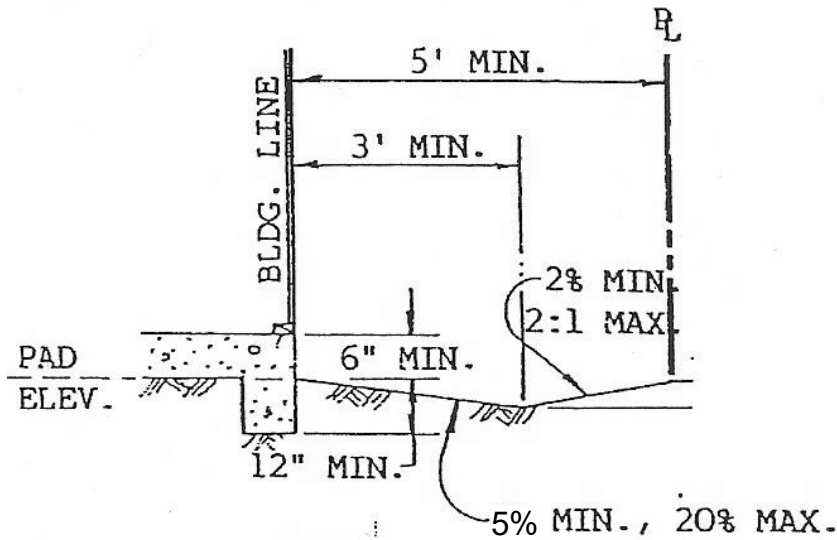
1. THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING:
 - A. I.A.C. CODE OF STANDARDS FOR STEEL BUILDINGS AND BRIDGES*
 - B. A.I.S.C. CODE OF SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS*
 - C. A.I.A.C. STRUCTURAL WELDING CODE* AND ANY APPLICABLE LOCAL REGULATIONS.
2. ANY CONFLICTS BETWEEN THE A.I.S.C. AND A.W.S. CODES SHALL BE CLARIFIED BY THE CONTRACTOR.
3. TREADS AND PLATFORMS OF STEEL STAIRS SHALL BE CAPABLE OF SUPPORTING A UNIFORM LOAD OF 100 psf OR A CONCENTRATED LOAD OF 300 lbs. AT THE CENTER OF EACH TREAD WITH WIND UPLIFT OF 100 psf.
4. HANDRAILS AND TOPRAILS SHALL BE CAPABLE OF SUPPORTING A LOAD OF 50 psf VERTICALLY OR HORIZONTALLY. INTERMEDIATE RAILS, BALUSTERS, AND FILLERS SHALL BE CAPABLE OF SUPPORTING A LOAD OF 20 psf VERTICALLY AND 5 psf HORIZONTALLY.
5. ALL STEEL TO BE COATED SHALL BE CLEANED TO BASE METAL AND BE FREE OF OILS, RUST AND OTHER CONTAMINANTS. ALL STEEL FABRICATORS SHALL BE L.A. CITY LICENSED.

MATERIALS

1. STRUCTURAL STEEL BRIMS, PLATES AND ROLLED SHAPES - A.S.T.M. A992
2. STEEL TUBE (SQ. OR RECT.) - A.S.T.M. A-501, GRADE B, TYPE E OR S.
3. STEEL PLATE - A.S.T.M. A-572, GRADE 50
4. BOLT - A.S.T.M. A-307 (OR A-325 AS INDICATED) / GRADE A
5. GALVANIZING - A.S.T.M. A-123 FOR ANNEALED PRODUCTS,
A.S.T.M. A-123 FOR ROLLED, PRESSED, AND FORGED STEEL
PRODUCTS, BARS AND PLATES, AND A-153 FOR THICK
A.S.T.M. A-153 FOR HOT-DIP GALVANIZED FASTENERS.
GALVANIZING REPAIR PAINT SHALL MEET MIL-K-21035 OR SPC-PAINT 20.
6. SHOP PAINT - SSPC-PAINT 13, SHOP PRIME ALL STRUCTURAL STEEL
SURFACES, AND PRIMER FOR ALL OTHER SURFACES.
7. WELDING SHALL BE ELECTRIC ARC PROCESS (E70XX) PERFORMED BY QUALIFIED
WELDERS AND CERTIFIED BY THE CITY OF LA. BLDG. & SAFETY DEPT. ALL
WELDING SHALL BE PROVIDED WITH CONT. INSPECTION BY A CERTIFIED DEPT.
OF PUBLIC WORKS ENGINEER. SHALL BE PERFORMED BY AN LA. CITY BLDG. DEPT.
LICENSED FABRICATOR SHOP.

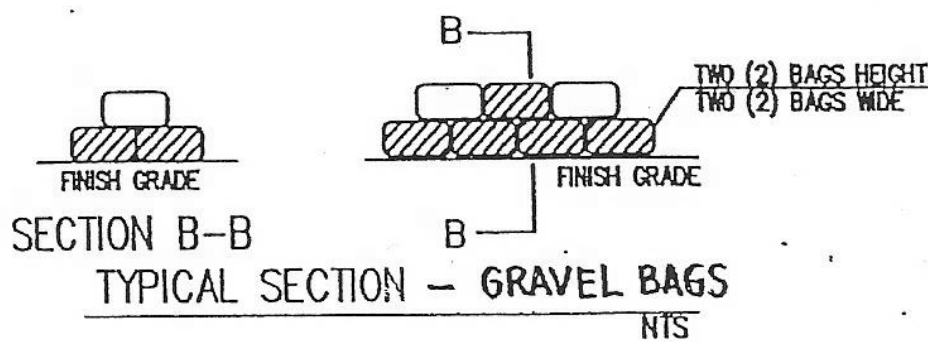
Drainage Notes:

1. Flow lines on concrete surface shall have a minimum 1% slope and flow lines on landscape surface shall be a minimum 2% slope.
2. Concrete and Landscape areas adjacent to the building shall be at a 5% min slope and max 20% slope draining away from the building. (See Detail)
3. Sheet flow on concrete surface shall have a minimum slope of 1% and sheet flow on landscape surface shall have a minimum slope of 2%.
4. The flow line shall be located at a minimum 3' from the side of the building and 5' min. from the back of the building.
5. Draining onto adjacent property is not permitted.



Additional Erosion Control Notes:

1. In case of emergency call JON MAHDIAN at 714-728-2841
2. The inspector reserves the right to change/add to the approved erosion control plan as needed
3. Protect the nearest downstream street curb inlet with gravel bags and hardware/filter cloth.
4. Grate type yard catch basins must be encircled with gravel bags having (1) one layer for each foot of width of catch basin.

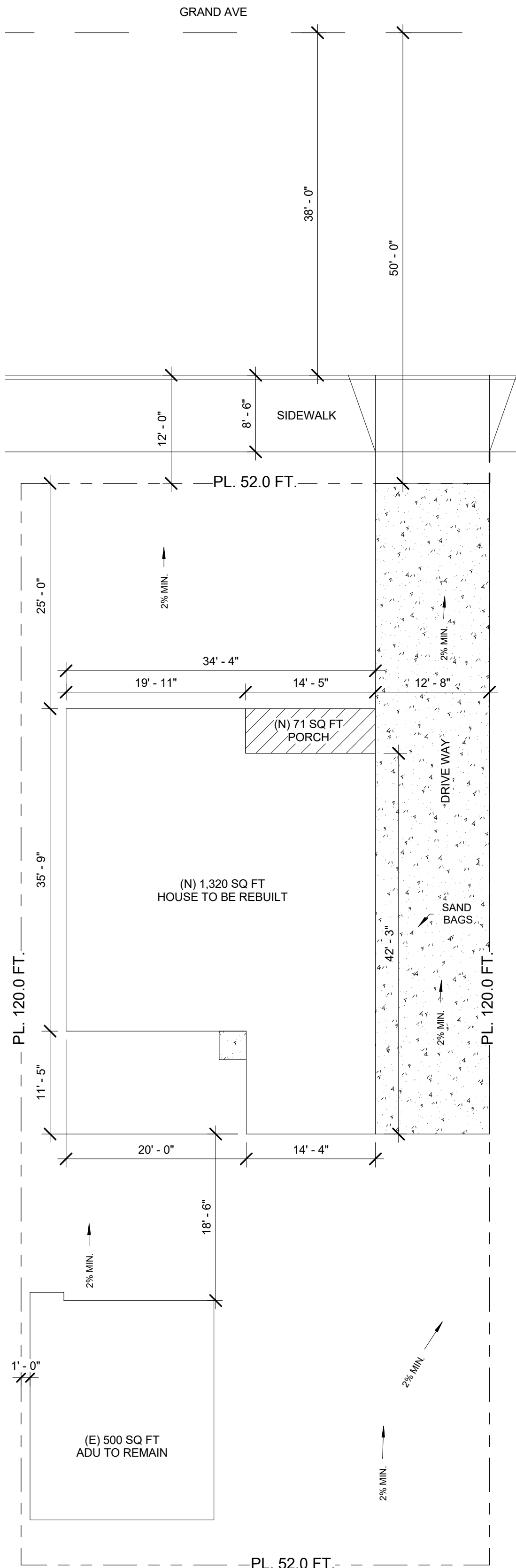


BEST MANAGEMENT PRACTICES
CONTRACTOR/OWNER SHALL IMPLEMENT AS FOLLOWS:

- * SOLID WASTE MANAGEMENT: PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. CLEAR SITE OF TRASH.
- * MATERIAL DELIVERY AND STORAGE: PROVIDE A DESIGNATED MATERIAL STORAGE AREA. IF NEEDED, PROVIDE A SECOND CONTAINER.
- * CONCRETE WASTE: PROVIDE A DESIGNATED AREA TO BE USED FOR CONCRETE TRUCK WASH-OUT IF NEEDED. AT NO TIME SHALL RUN-OFF ENTER THE STORM DRAINS.
- * PAINT AND PAINTING SUPPLIES: PROVIDE PROPER STORAGE, USE AND CLEANUP OF MATERIALS.
- * VEHICLE FUELING, MAINTENANCE AND CLEANING: PROVIDE A DESIGNATED FUELING AREA WITH A SECOND CONTAINER.
- * HAZARDOUS WASTE MANAGEMENT: PREVENT THE DISCHARGE OF HAZARDOUS WASTE POLLUTANTS INTO THE STORM DRAIN SYSTEM.

SCOPE OF WORK:

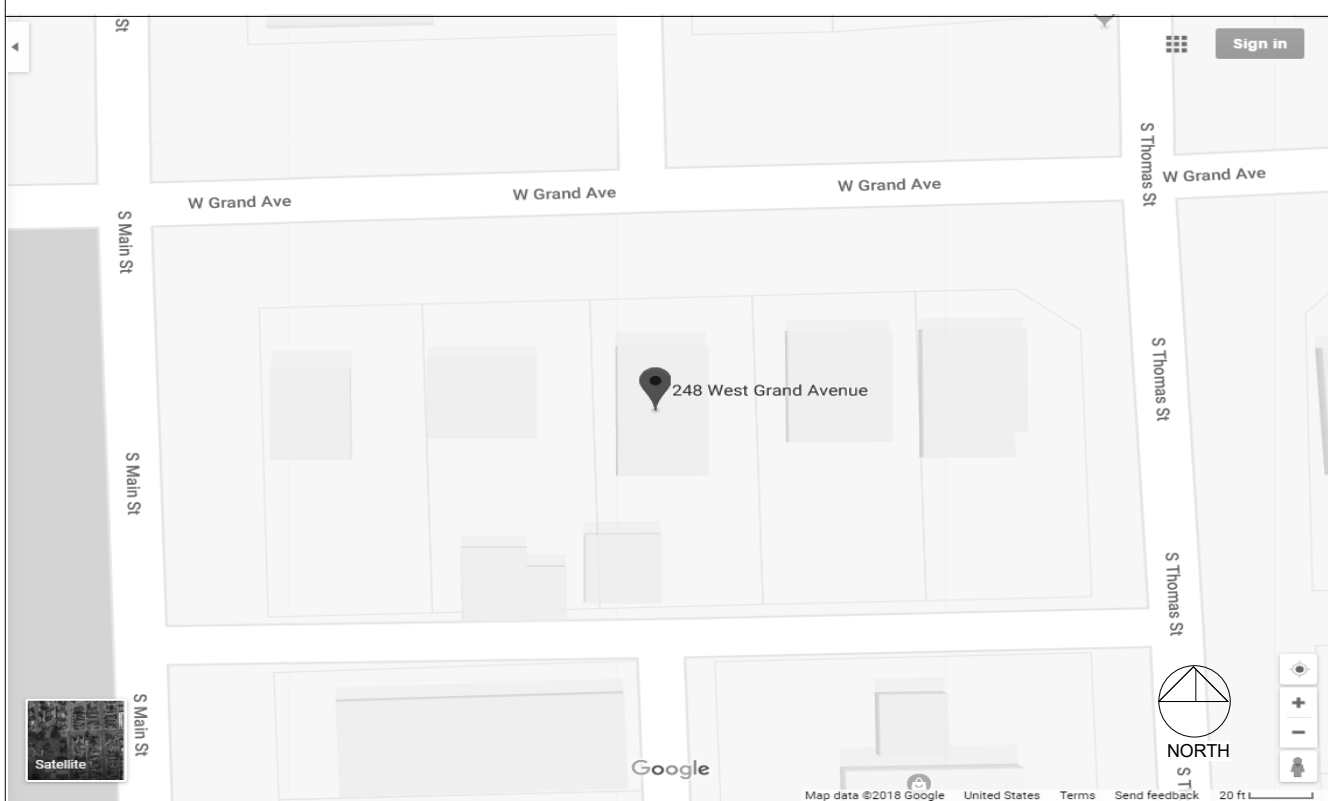
REBUILT A 1,090 SQ FT (E) HOUSE DUE TO DAMAGE CAUSED BY FIRE
NEW CONSTRUCTION TO BE 1,320 SQ FT



1 SITE
1" = 10'-0"

[illegible]

INDEX



VICINITY MAP

CONSTRUCTION TYPE: TYPE V-B

OCCUPANCY : R-3 SPRINKLERS YES

CONSTRUCTION INFORMATION

LOT:	6,131 sq ft / 0.14 acres	SQ. FT.
(E) HOUSE	752	SQ. FT.
(N) ADDITION	568	SQ. FT.
(N) PORCH	71	SQ. FT.
-	-	SQ. FT.
(E) ADU SECOND UNIT	500	SQ. FT.
PROPOSED ADDITION FOOTPRINT	0	SQ. FT.
TOTAL LOT COVERAGE	1,891	SQ. FT. 30.8%

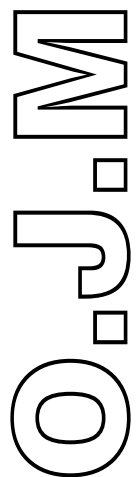
PROJECT DATA

PROJECT SHALL COMPLY WITH:
2016 CBC / 2016 IBC
2016 CRC/ 2016 IRC
2016 CPC/ 2016 UPC
2016 CMC/
2016 CEC/ 2016 NEC
2016 CGBSC
2016 RESIDENTIAL ENERGY EFFICIENCY STANDARDS (BEES)

DESIGN
BY:

- commercial
- engineering
- patios & decks

5 (909)210.8669



- Architectural Design -

- development
- custom homes
- additions

1188 W. Marshall Blvd. San Bernardino, Ca. 92405 (909)210.8669

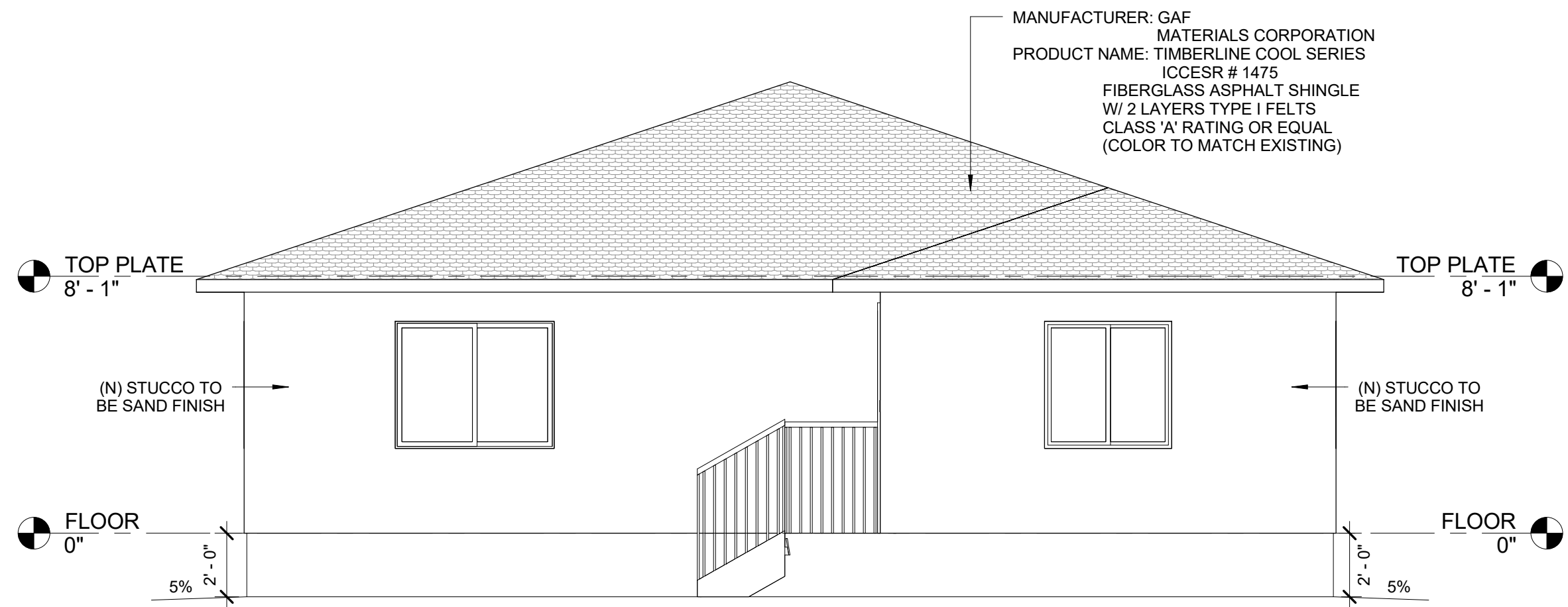
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NEW HOUSE

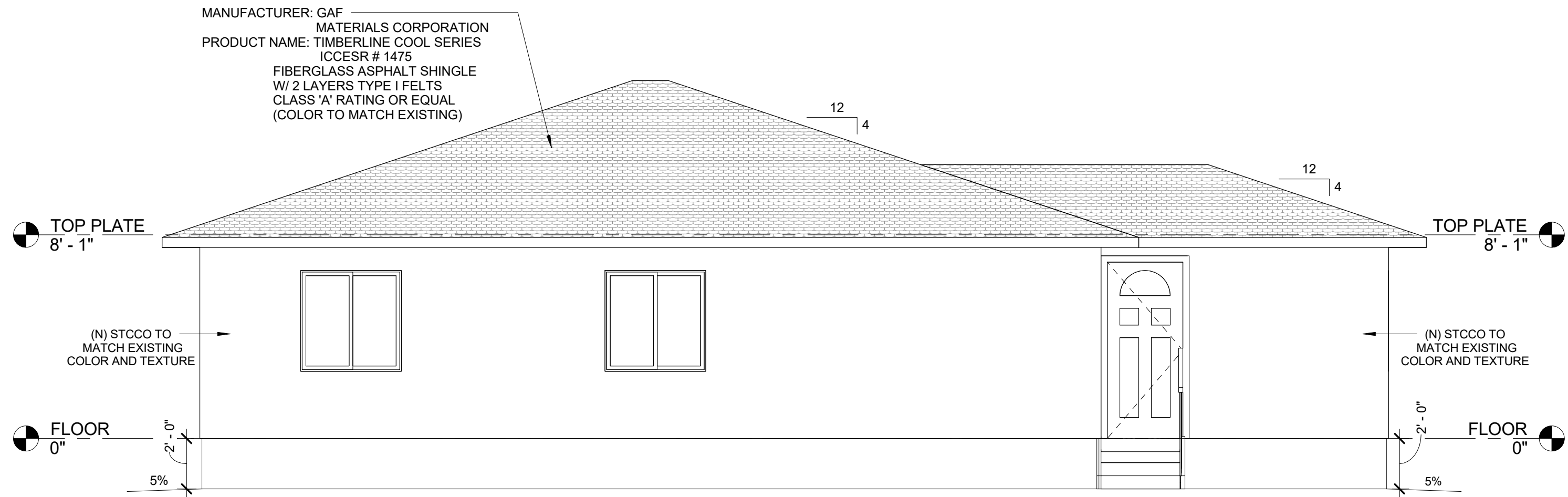
JHON
248 W GRAND AVE
Pomona, CA 91766

SITE PLAN, GENRL. NOTES, INDEX AND VICINITY MAP

Project number	JHON2018
Date	11-16 -2018
Drawn by	OMAR MARROQUIN
Checked by	RER
<h1>CVR</h1>	
Scale	1" = 10'-0"



⑥ SOUTH (REAR) ELEVATION
1/4" = 1'-0"

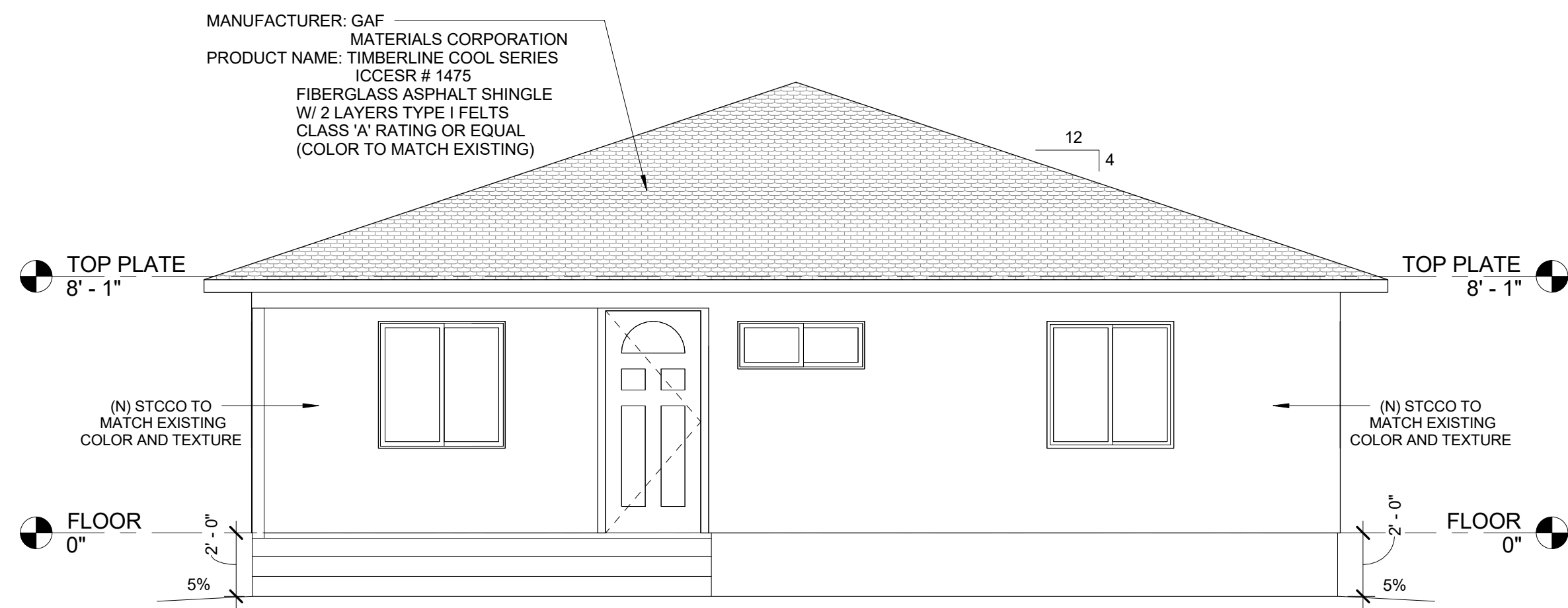


③ WEST (RIGHT) ELEVATION
1/4" = 1'-0"

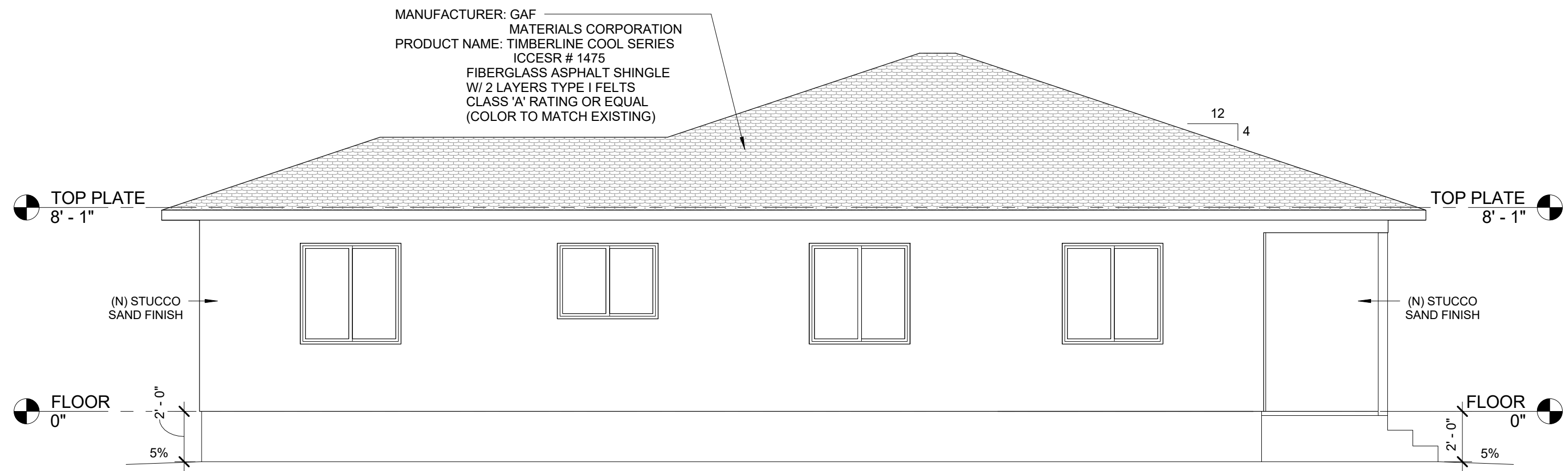
ATTIC VENTILATION CALCULATIONS ROOF W/ ATTIC:

PROPOSED ROOF ATTIC AREA: 1,200/150 = 8.0 S.F.
PROVIDE (4) 18"x24" ATTIC VENT (1.5 SQ.) ATTIC VENTS = 3.0 < 8.0

PROPOSED ROOF ATTIC AREA: 1,200/150 = 8.0 S.F.
PROVIDE (10) 14"x6" EAVE VENT (0.19 SQ.) ATTIC VENTS = 1.9 < 8.0
1.9 + 3.0 = 3.3 ≥ 3.3



④ NORTH (FRONT) ELEVATION
1/4" = 1'-0"



② EAST (LEFT) ELEVATION
1/4" = 1'-0"



- residential
- desing
- patios & decks

O-J-M
-Residential Design-

- remodeling
- custom homes
- additions

1188 W. Marshall Blvd, San Bernardino Ca, 92405 (909)210.8669

No.	Description	Date

NEW HOUSE
JHON
248 W GRAND AVE
Pomona, CA 91766

ELEVETIONS, DEMO & SECTIONS

Project number	JHON2018
Date	11-16 -2018
Drawn by	Author
Checked by	Checker
Scale	1/4" = 1'-0"

A-2

CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
Chapter 1 - ADMINISTRATION	
101.3.1	Scope Applies to ALL newly constructed residential buildings: low-rise, high-rise, and hotels/motels.
Chapter 3 - GREEN BUILDING	
301.1.1	Additions and alterations • Applies to additions or alterations of residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. • Requirements only apply within the specific area of the addition or alteration. • Note directs code users to Civil Code Section 1101.1 et seq., regarding replacement of non-complying plumbing fixtures.
301.2	Low-rise and high-rise buildings Banners identify provisions applying to low-rise only [LR] or high-rise only [HR].
Division 4.1 - PLANNING AND DESIGN (SITE DEVELOPMENT)	
4106.2	Storm water drainage and retention during construction Projects which disturb less than 1 acre of soil and are not part of a larger common plan of development shall manage storm water drainage during construction.
4106.3	Grading and paving Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Exception for additions and alterations which do not alter the existing drainage path.
4106.4	Electric vehicle (EV) charging for new construction • Comply with Section 4.106.4.1 and 4.106.4.2 for future installation and use of EV chargers. • Electric vehicle supply equipment (EVSE) shall be installed in accordance with the California Electrical Code, Article 625. • Exceptions on a case-by-case basis as determined by the Local Enforcing Agency: 1. Where there is no commercial power supply. 2. Verification that meeting requirements will alter the local utility infrastructure design requirements on the utility side of the meter increasing costs to the homeowner/developer by more than \$400.00 per dwelling unit.
4106.4.1 & 4106.4.1.1	EV charging: 1- & 2-family dwellings/townhouses with attached private garages • Install a listed raceway to accommodate a dedicated 208/240-volt branch circuit for each dwelling unit. • Raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). • Raceway shall originate at the main service or subpanel and terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. • Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. • Service panel and/or subpanel shall provide capacity to install a 40-ampere minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device. Service panel or subpanel circuit

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
4.106.4.1 & 4.106.4.1.1 continued	directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".
4.106.4.2	EV charging for multifamily dwellings • Applies to building sites with 17 or more multifamily dwelling units constructed on the site. • 3% of the total number of parking spaces provided for all types of parking facilities, but in no case less than one, shall be electric vehicle charging spaces (EV spaces) capable of supporting future EVSE. Calculations for the number of EV spaces shall be rounded up to the nearest whole number. Note: Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging. There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use.
4.106.4.2.1	EV charging space (EV space) locations • Construction documents shall indicate the location of proposed EV spaces. At least 1 EV space shall be located in common use areas and available for use by all residents. • When EV chargers are installed, EV spaces required by Section 4.106.4.2.2, Item 3, shall comply with at least 1 of the following options: 1. The EV space shall be located adjacent to an accessible parking space meeting the requirements of the California Building Code, Chapter 11A, to allow use of the EV charger from the accessible parking space. 2. The EV space shall be located on an accessible route to the building, as defined in the California Building Code, Chapter 2.
4.106.4.2.2	EV charging space (EV space) dimensions EV spaces shall be designed to comply with the following: 1. The minimum length of each EV space shall be 18 feet. 2. The minimum width of each EV space shall be 9 feet. 3. One in every 25 EV spaces, but not less than 1, shall also have an 8-foot wide minimum aisle. A 5-foot wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet. a) Surface slope for this EV space and aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083% slope) in any direction.
4.106.4.2.3	Single EV space required • Install listed raceway capable of accommodating a 208/240-volt dedicated branch circuit. • The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). • The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or enclosure in close proximity to the proposed location of the EV space.

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
4.106.4.2.3 continued	• Construction documents shall identify the raceway termination point. • The service panel and/or subpanel shall provide capacity to install a 40-ampere minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.
4.106.4.2.4	Multiple EV spaces required • Construction documents shall indicate raceway termination point and proposed location of future EV spaces and EV chargers. Construction documents shall also provide information on amperage of future EVSE, raceway method(s), wiring schematics and electrical load calculations to verify electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at full rated amperage of the EVSE. • Plan design shall be based upon a 40-ampere minimum branch circuit. • Raceways and related components planned to be installed underground, enclosed, inaccessible or in concealed areas and spaces shall be installed at the time of original construction.
4.106.4.2.5	Identification The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code. Notes: 1. The California Department of Transportation adopts and publishes the "California Manual on Uniform Traffic Control Devices (California MUTCD)" to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives Number 12-01. Website: http://www.dot.ca.gov/hq/traffops/policy/13-01.pdf 2. See Vehicle Code Section 22511 for EV charging space signage in off-parking facilities and for use of EV charging spaces. 3. The Governor's Office of Planning and Research (OPR) published a "Zero-Emission Vehicle Community Readiness Guidebook" which provides helpful information for local governments, residents and businesses. Website: http://opr.ca.gov/docs/ZEV_Guidebook.pdf
Division 4.2: ENERGY EFFICIENCY	
Scope	
4.201.1 & 5.201.1	• Energy efficiency requirements for low-rise residential (Section 4.201.1) and high-rise residential/hotels/motels (Section 5.201.1) are now in both residential and nonresidential chapters of CALGreen. • Standards for residential buildings do not require compliance with levels of minimum energy efficiency beyond those required by the 2016 California Energy Code.

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
Division 4.3 – WATER EFFICIENCY AND CONSERVATION (INDOOR WATER USE)	
4.303.1	Water conserving plumbing fixtures and fittings Plumbing fixtures and fittings shall comply with the following: 4.303.1.1 Water Closets: ≤ 1.28 gal/flush 4.303.1.2 Wall Mounted Urinals: ≤ 0.125 gal/flush; all other urinals ≤ 0.5 gal/flush 4.303.1.3.1 Single Showerheads: ≤ 2.0 gpm @ 80 psi 4.303.1.3.2 Multiple Showerheads: combined flow rate of all showerheads controlled by a single valve shall not exceed 2.0 gpm @ 80 psi, or only one shower outlet is to be in operation at a time 4.303.1.4.1 Residential Lavatory Faucets: Maximum Flow Rate ≤ 1.2 gpm @ 60 psi; Minimum Flow Rate ≥ 0.8 gpm @ 20 psi 4.303.1.4.2 Lavatory Faucets in Common and Public Use Areas of Residential Buildings: ≤ 0.5 gpm @ 80 psi 4.303.1.4.3 Metering Faucets: ≤ 0.25 gallons per cycle 4.303.1.4.4 Kitchen Faucets: ≤ 1.8 gpm @ 60 psi; temporary increase to 2.2 gpm allowed but shall default to 1.8 gpm
4.303.2	Standards for plumbing fixtures and fittings Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet applicable standards referenced in Table 1701.1 of the California Plumbing Code.
Division 4.3 – WATER EFFICIENCY AND CONSERVATION (OUTDOOR WATER USE)	
4.304.1	Outdoor potable water use in landscape areas After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following: 1. A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent, or 2. Projects with aggregate landscape areas less than 2500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option.
Division 4.4 – MATERIAL CONSERVATION & RESOURCE EFFICIENCY (ENHANCED DURABILITY & REDUCED MAINTENANCE)	
4.406.1	Rodent proofing Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be closed with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency to prevent passage of rodents.
Division 4.4 – MATERIAL CONSERVATION & RESOURCE EFFICIENCY (CONSTRUCTION WASTE REDUCTION, DISPOSAL & RECYCLING)	
4.408.1	Construction waste reduction of at least 65% • Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4; OR meet a more stringent local construction and demolition waste management ordinance.

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
4.408.1 continued	• Documentation is required per Section 4.408.5. Exceptions: 1. Excavated soil and land-clearing debris. 2. Alternative waste reduction methods developed by working with local enforcing agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite. 3. The enforcing agency may make exceptions to the requirements of this section when isolated jobsites are located in areas beyond the haul boundaries of the diversion facility.
4.408.2	Construction waste management plan Submit a construction waste management plan meeting Items 1 through 5 in Section 4.408.2. Plans shall be updated as necessary and shall be available for examination during construction.
4.408.3	Waste management company Utilize a waste management company, approved by the enforcing agency, which can provide verifiable documentation that diverted construction and demolition waste materials meet the requirements in Section 4.408.1.
4.408.4	Waste stream reduction alternative • (LR) Projects that generate a total combined weight of construction and demolition waste disposed in landfills, which do not exceed 3.4 pounds per square foot of the building area shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1.
4.408.4.1	• Projects that generate a total combined weight of construction and demolition waste disposed in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1.
Division 4.4 – MATERIAL CONSERVATION & RESOURCE EFFICIENCY (BUILDING MAINTENANCE & OPERATION)	
Operation and maintenance manual	
4.410.1	At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which covers 10 specific subject areas shall be placed in the building.
Recycling by occupants	
4.410.2	Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(2)(A) et. seq. are not required to comply with the organic waste portion of this section.

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
Division 4.5 – ENVIRONMENTAL QUALITY (FIREPLACES)	
4.503.1	General Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with all applicable local ordinances.
Division 4.5 – ENVIRONMENTAL QUALITY (POLLUTANT CONTROL)	
4.504.1	Protection during construction At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air intake and distribution component openings shall be covered. Tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of water, dust and debris entering the system may be used.
Adhesives, sealants and caulks	
4.504.2.1	Adhesives, sealants and caulks used on the project shall meet the requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply: 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 4.504.1 or 4.504.2, as applicable. Such products shall also comply with Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in Subsection 2 below. 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of the California Code of Regulations (CCR), Title 17, commencing with Section 94507.
4.504.2.2	Paints and coatings Architectural paints and coatings shall comply with VOC limits in Table 1 of the Air Resources Board Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as Flat, Nonflat, or Nonflat-High Gloss coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37, of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat, or Nonflat-High Gloss VOC limit in Table 4.504.3 shall apply.

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
4.504.2.3	Aerosol paints and coatings Architectural paints and coatings shall comply with VOC limits for VOC in Section 94523(a)(2) and other limiting substances, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Section 94522(e)(1) and (d)(1) of the California Code of Regulations (CCR), Title 17, commencing with the definition of the Key Area Air Quality Management District shall additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 46.
4.504.3	Carpet systems Carpet installed in the building interior shall meet the testing and product requirements 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certification Systems' Indoor Advantage + Gold
4.504.3.1	Carpet cushion Carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label Plus Program.
4.504.3.2	Carpet adhesive Carpet adhesives shall meet the requirements of Table 4.504.1.
4.504.4	Resilient flooring systems Where resilient flooring is installed in an area receiving resilient flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350), certified as a CHPS Low-Emitting Material in the Collaborative for High Performance Schools (CHPS) High Performance Products 2. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children & Schools Program) 3. Products certified under Floor Covering Institute (FCI) FloorScore program 4. Meet the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350)
4.504.5	Composite wood products • Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
4.506.1	Each bathroom shall be mechanically ventilated and shall comply with the following: 1. The ventilation system 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 or time switch. a) Humidity by a humidity sensor that is capable of manual or automatic adjustment between a relative humidity range of less than 50% to a maximum of 60%. b) A humidity control may be a separate component to the exhaust fan and is not required to be integrated with the fan. Note: For CALGreen a "bathroom" is a room which contains a bathtub, shower, or tub/shower combination. Fans or mechanical ventilation is required in each bathroom.
4.506.2	Heating and air conditioning system design Heating and air conditioning systems shall be sized, designed, and equipment selected using the following methods: 1. The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J – Residential Load Calculation. 2. Duct systems are sized according to ANSI/ACCA 1 Manual D – 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S – 2014 (Residential Equipment Selection). Exception: Use of alternate design temperatures necessary to ensure the systems functions are acceptable.
702.1	Installer training (QUALIFICATIONS, VERIFICATIONS) HVAC system installers shall be trained to ensure the proper installation of HVAC systems and equipment by a recognized training or certification program. Examples of acceptable HVAC training and certification programs include but are not limited to: 1. State certified apprenticeship programs. 2. Public utility training programs. 3. Training provided by trade, labor or statewide energy consulting or verification organizations. 4. Programs sponsored by manufacturing organizations. 5. Other programs acceptable to the enforcing agency.

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
4.504.5 continued	for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 95120 et. seq.), as shown in Table 4.504.5, and for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 95120 et. seq.), as shown in Table 4.504.5.
4.506.2	Definition of Composite Wood Products: Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" do not include hardboard, structural plywood, structural panels, prefabricated wood joists, or finger-jointed lumber, all as specified in CCR, Title 17, Section 95120.1(e).
4.506.2.1	Capillary break 1. A 4-inch thick base of 1/2-inch or larger clean aggregate shall be provided with a vapor retarder in direct contact with concrete and a concrete mix design which will meet the requirements of the California Building Code, Chapter 19, or the California Residential Code, Chapter 5, respectively, shall also comply with this section. 2. Other equivalent methods approved by the enforcing agency. 3. A slab design specified by a licensed design professional.
4.506.3	Moisture content of building materials Building materials with a moisture content greater than 19% shall not be installed until the moisture content of the framing members exceeds 19% moisture content. Moisture content shall be verified in compliance with the following: 1. Moisture content shall be determined with either a probe-type or a contact-type moisture meter. 2. Moisture readings shall be taken at a point 2 feet to 4 feet from the grade-stamped end of each piece to be verified. 3. Moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing. Insulation products which are visibly wet or have a high moisture content shall be removed and replaced with dry insulation. Recommendations shall be followed for wet-applied insulation products prior to enclosure.

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CALGreen [®] RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	
SECTION	REQUIREMENTS
702.2	Special inspections shall be performed to verify compliance to the enforcing agency in the discipline in which they are inspecting.
703.1	Documentation Documentation of compliance shall include, but is not limited to, construction documents, inspection reports, and other methods acceptable to the local enforcing agency. Other specific documentation or special inspections necessary to verify compliance are specified in appropriate sections of CALGreen.

HCD SHL 605 (Rev. 4/16)

Page 10 of 10

commercial

engineering

patios & decks

development

custom homes

additions

NEW HOUSE

JHON
248 W GRAND AVE
Pomona, CA 91766

2016 CALGREEN

Project number

JHON2018

Date

11-16 -2018

Drawn by

OJM

Checked by

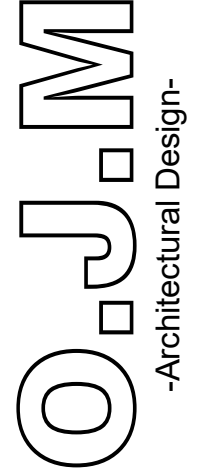
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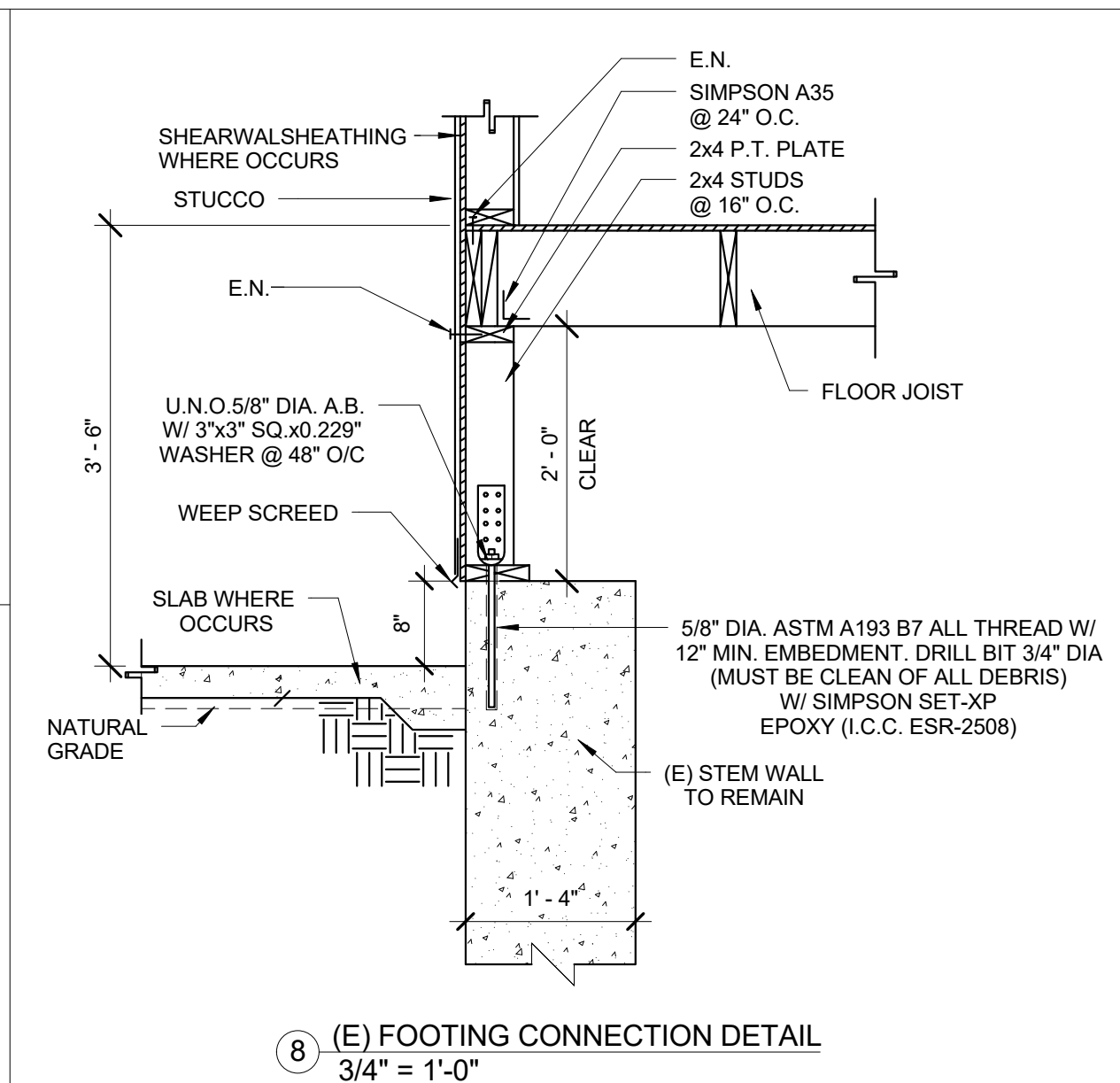
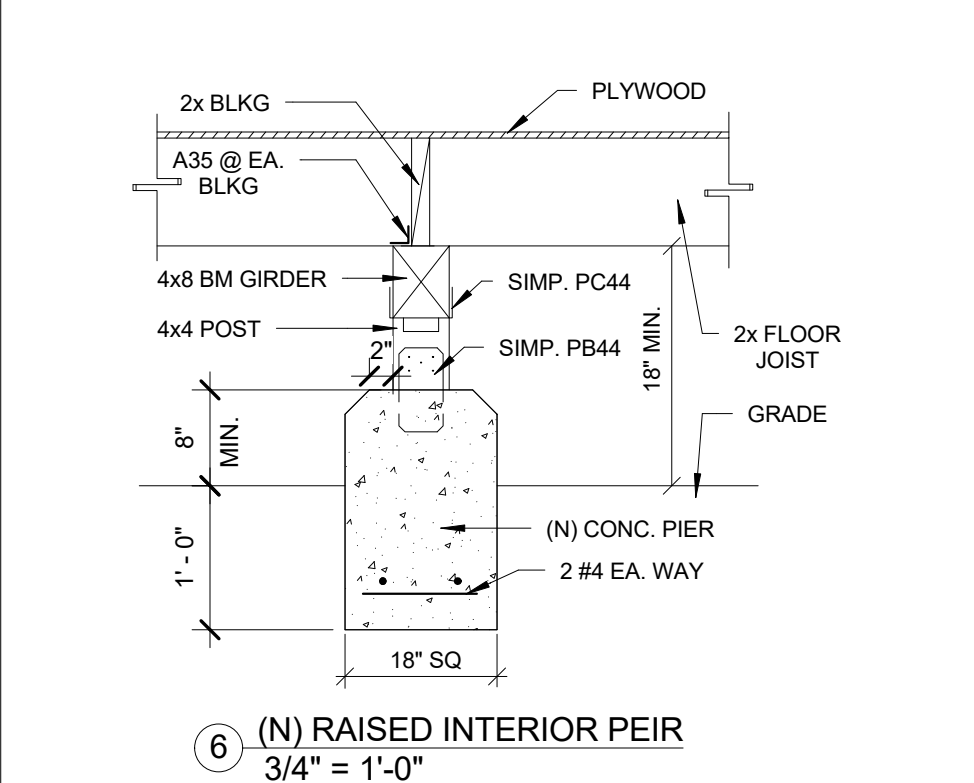
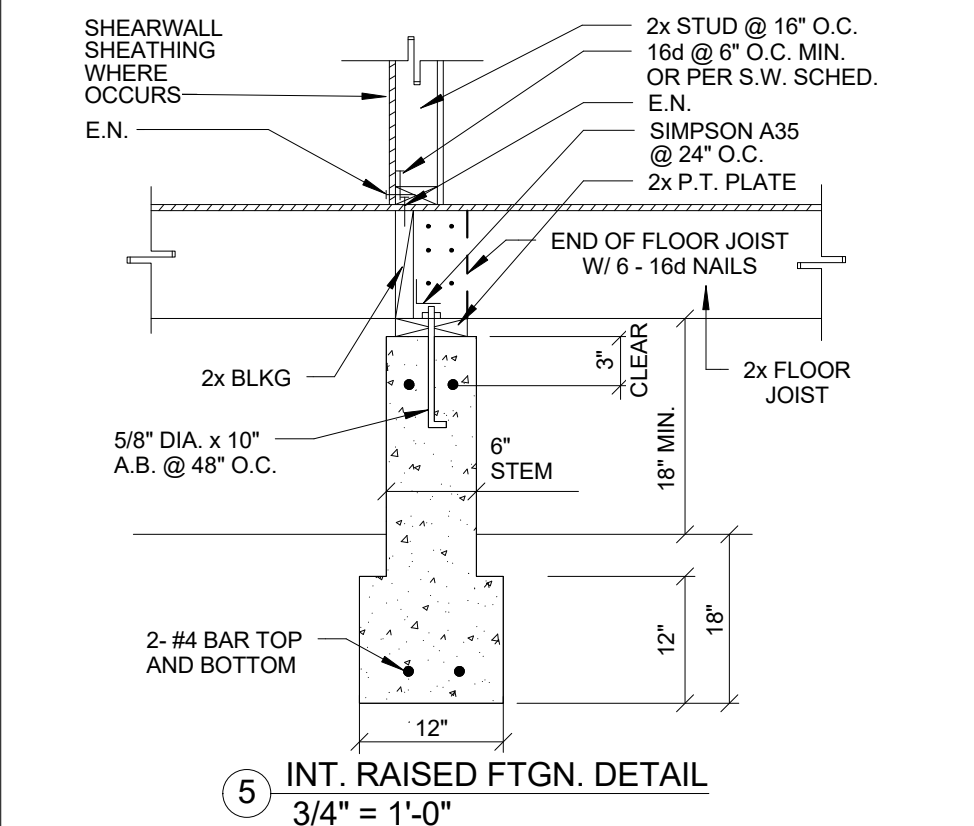
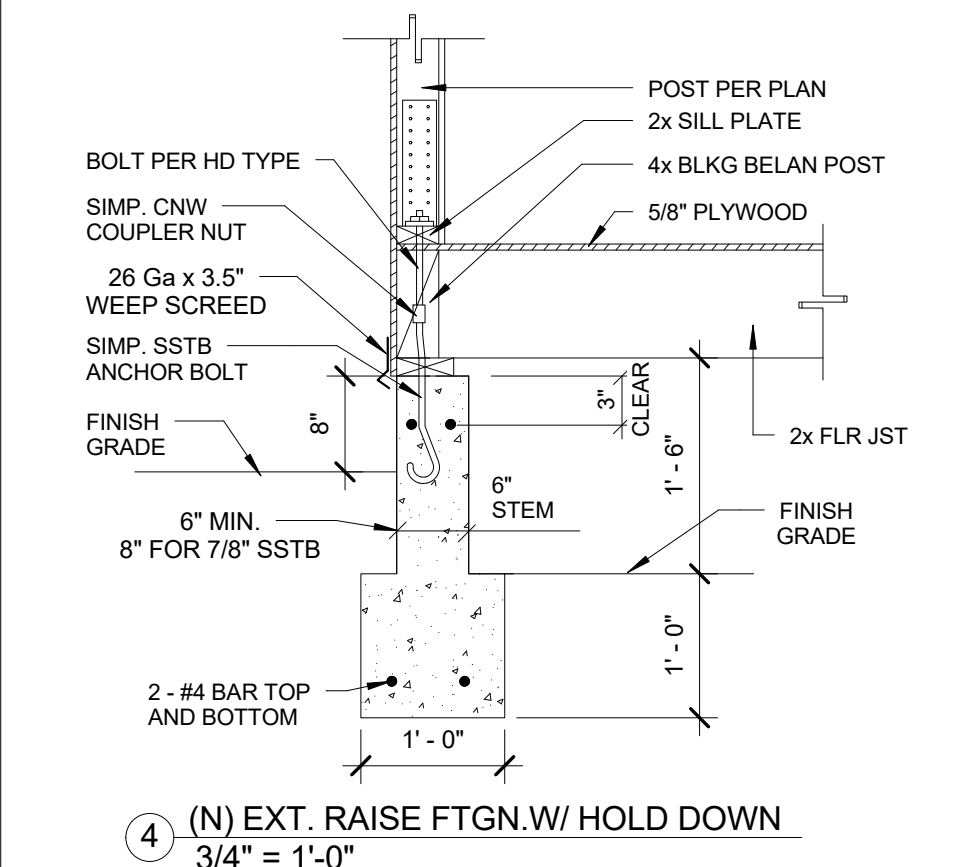
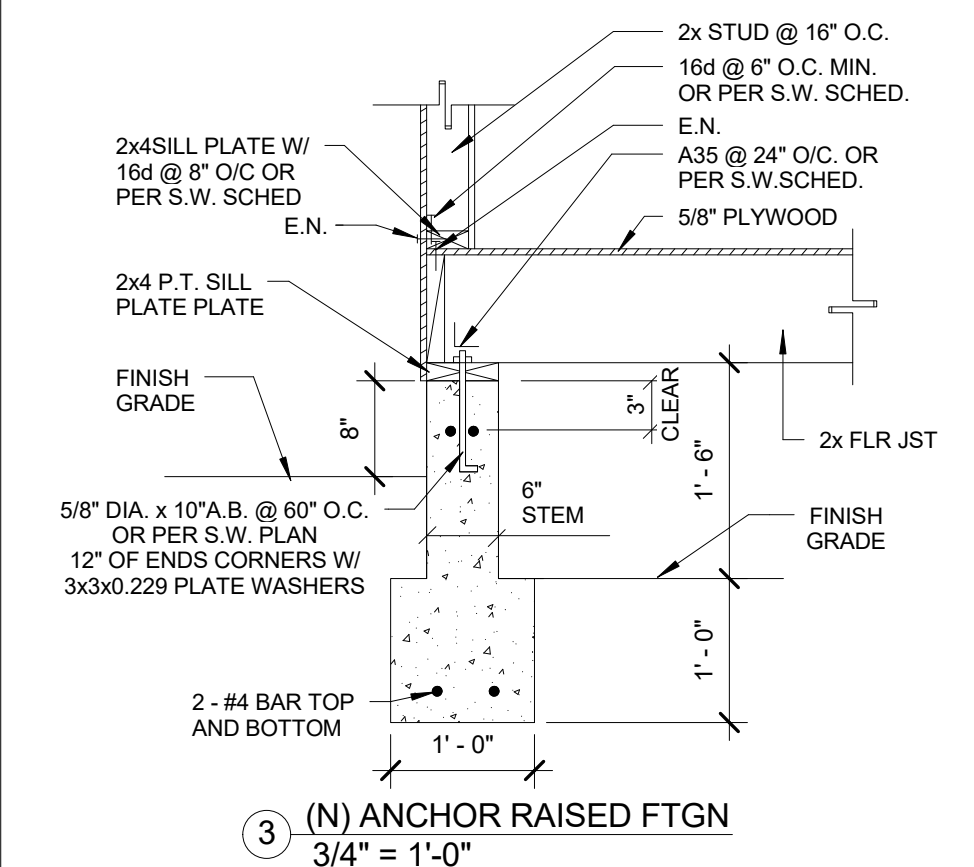
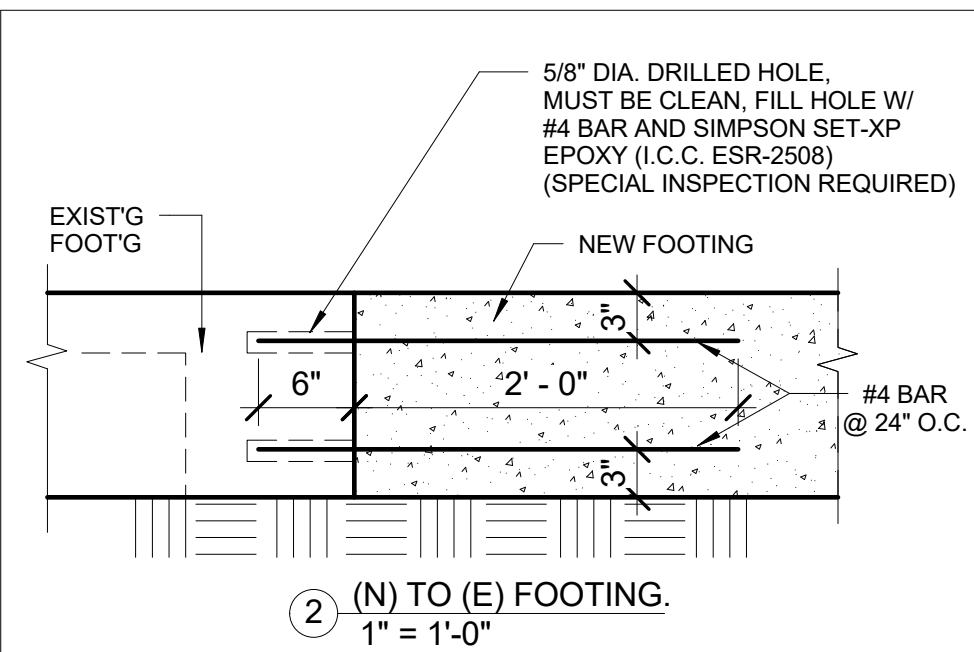
Scale

A-3

1188 W. Marshall Blvd San Bernardino Ca 92405

(909)210.8669





GENERAL

1. All work shall comply with provisions of the 2013 California Building Code and all other local, state and federal regulations.
2. See architectural drawings for dimensions and sizes/locations of all floor and wall openings, floor finishes, etc.
3. The contractor shall be responsible for coordinating the work of all trades and shall check dimensions.
 All discrepancies shall be called to the attention of the engineer for resolution before proceeding with the work.

FOUNDATIONS

- | | |
|----|--|
| 1. | Assumed allowable soil bearing pressure: 1,500 psf (to be approved by Building Department). |
| 2. | Fill and backfilling shall be compacted to 90% of maximum density in accordance with ASTM test method D-1557-70. Flooding shall not be permitted. |
| 3. | Water shall be removed from foundation excavations prior to placing of concrete. Care shall be taken so as not to dry out the underlying natural soils. |
| 4. | The contractor shall be responsible for all shoring necessary to support cut and/or fill banks, existing adjacent structures, and forming and placement of concrete. |
| 5. | All fill and backfill materials shall be of approved materials. |
| 6. | The contractor acknowledges that all footings must be placed upon and into natural grade or compacted fill, free of debris and excess moisture |

CONCRETE

1. The minimum ultimate compressive strength of concrete (F_c) at 28 days shall be 2500 psi (3000 psi at grade beams).
2. All concrete, unless noted otherwise, shall be regular weight hardrock type concrete (weight = 150 pcf).
3. Aggregates shall conform to ASTM C-33 with proven shrinkage characteristics of less than 0.05.
4. Cement shall conform to ASTM C-150 (type II) unless alkaline soils are present. Use type V cement when soils have high sulfate content.

REINFORCING STEEL

1. Reinforcing steel

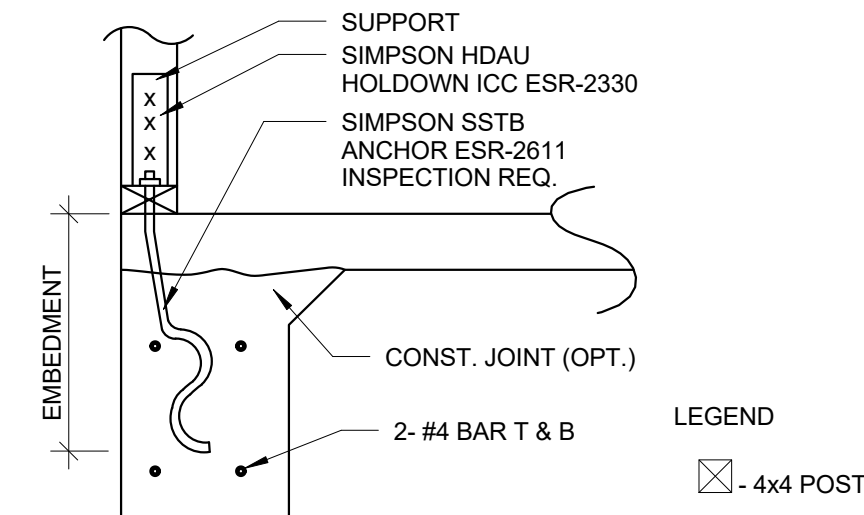
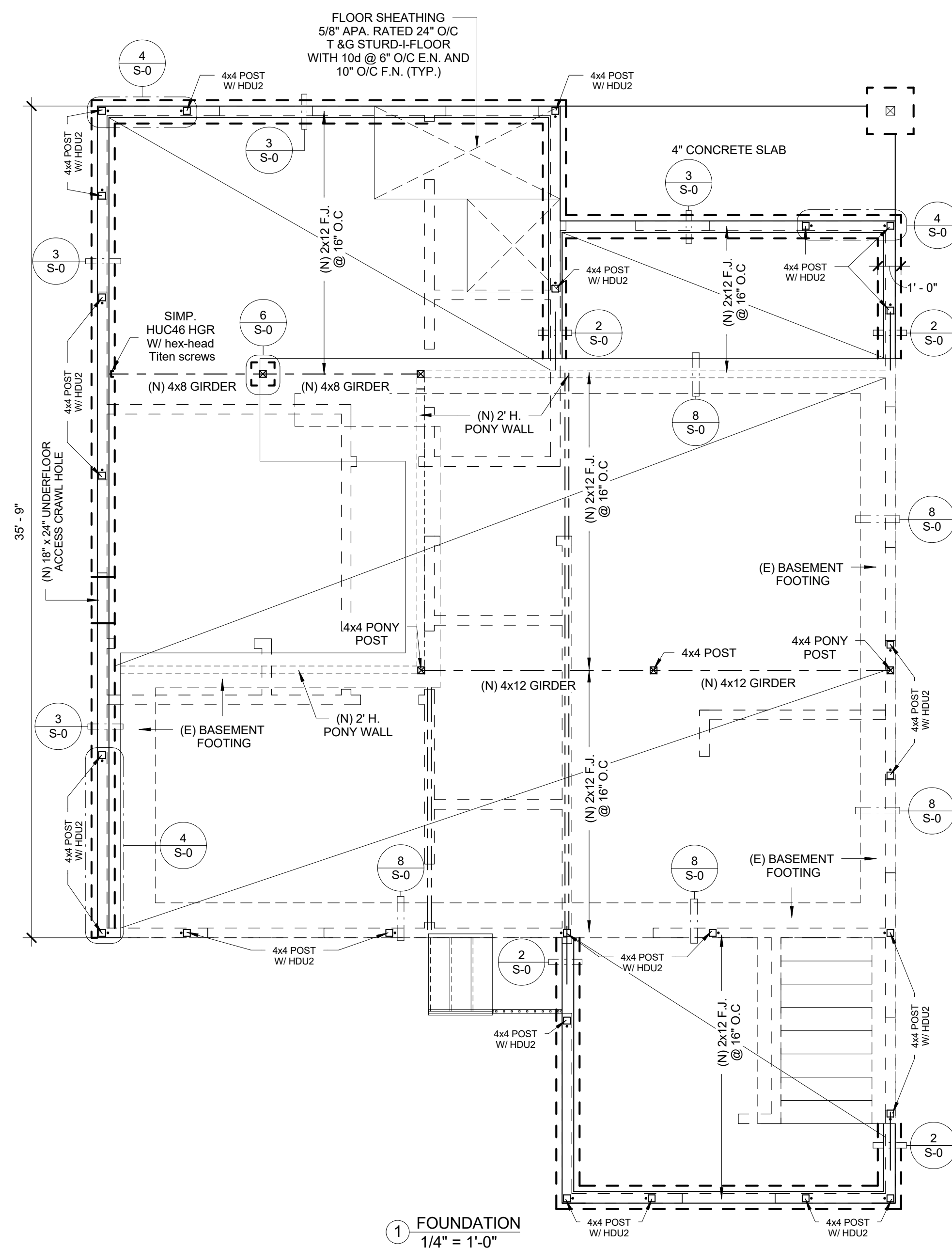
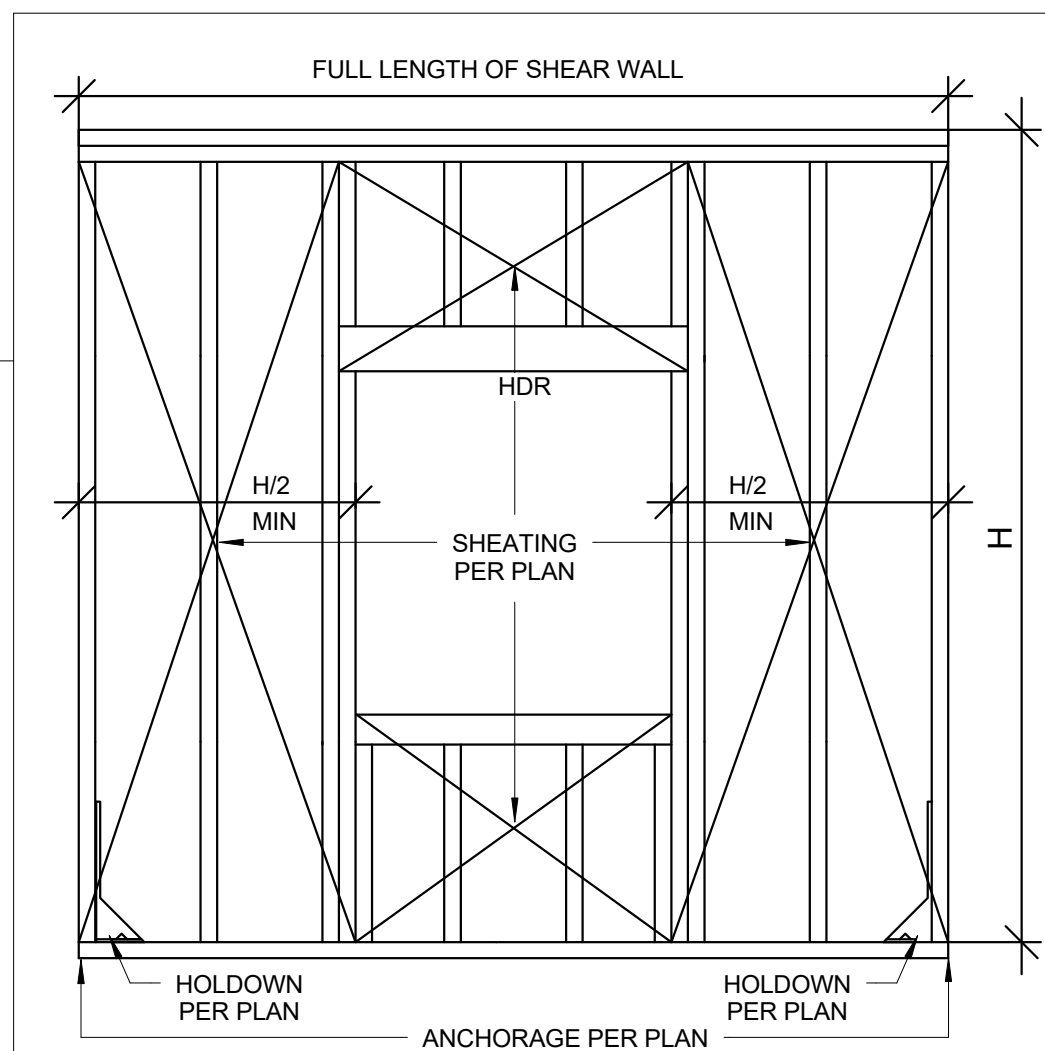
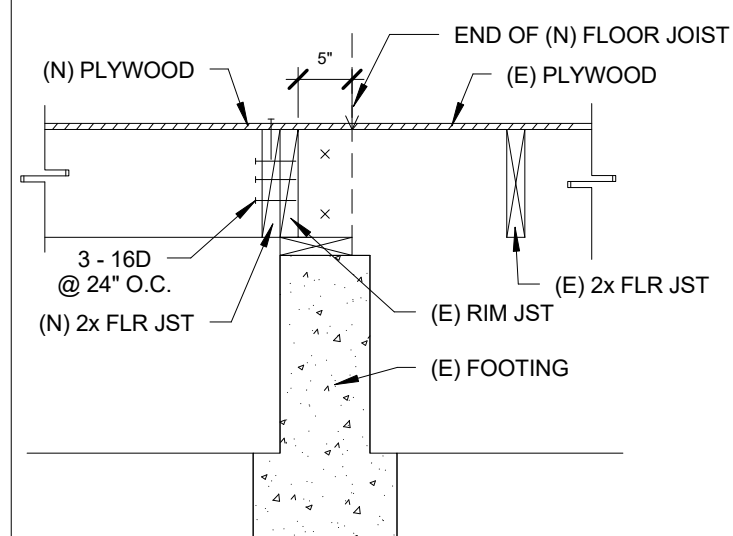
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|----|---|
| 3. | be in accordance with ASTM A-305. Welded wire fabric shall conform to ASTM A-82 and A-185. Lap 1-1/2 spaces (9 inches minimum). Detailing, fabrication and erection of reinforcing steel shall conform to ACI Manual of Standard Practice for Detailing and Reinforced Concrete Structures, the most current edition. |
| 4. | Concrete protection for reinforcement shall be at least equal to the diameter of the bars. Minimum cover for cast in place concrete shall be as follows: |
| a. | 3 in. |
| b. | 2 in. |
| c. | 3/4 in. |
| d. | 1 in. |

FRAMING LUMBER

1. All structural lumber shall be Douglas Fir Larch of the following grades:
- | | | |
|----|---------------------------------|-------|
| a. | 2x4 studs, blockings | No. 2 |
| b. | 2x joists, rafters | No. 2 |
| c. | 4x beams and headers | No. 2 |
| d. | 6x and larger beams and headers | No. 1 |
| e. | posts | No. 1 |
2. Structural plywood shall be Douglas Fir conforming to U.S. Product Standard PS-1-95, CDX with exterior glue (CCX, exterior grade at balconies and decks), and shall be stamped by an approved fabricator.
3. Maximum moisture content for all structural lumber shall be 19% unless noted otherwise.
4. All mud sills shall be pressure treated wood and shall conform to CBC sec. 2317.4.
5. Framing hangers, caps, holdowns, bases, anchors, connectors, etc. shall be as manufactured by "Simpson Company" (no substitutions without prior approval of the engineer).
6. All notes called out on these plans shall be common type. Any substitutions shall be approved by the engineer prior to use.

STRUCTURAL DESIGN CRITERIA:

1. ROOF: DEAD LOAD = 18 PSF; LIVE LOAD = 20 PSF
2. SUB-FLOOR DEAD LOAD = 12 PSF; LIVE LOAD = 40 PSF
3. SOILS: ALLOWABLE SOIL BEARING PRESSURE = 1,500 PSF
3. SEISMIC: USE EQUIVALENT LATERAL FORCE PROCEDURE
RISK CATEGORY - II
R = 6.5 / RHO = 1.3 / I = 1.0
SITE CLASS = D / SEISMIC DESIGN CATEGORY = E
S_e = 2.687 / S₁ = 0.989 / S_{ds} = 1.791 / C_s = 0.358
4. WIND: USE SIMPLIFIED FRICTION COEFFICIENT
RISK CATEGORY - II
ULTIMATE DESIGN WIND SPEED = 110 MPH NOMINAL DESIGN WIND SPEED = 85 MPH
/ EXPOSURE C / I = 1.0 PS = 16 PSF INTERNAL PRESSURE COEFFICIENT, (GC_{pi}) = +/- 0.18



SIMPSON HDU HOLDDOWN						
MODEL NO.	SSTB ANCHOR BOLT SIZE	EMBEDMENT 2500 PSI	SDS 1/4"x2 1/2" Req	ALLOWABLE LOADS		
				2-2x4	1-4x4	1-4x6
HDU2	SSTB20	16"	6	2,306 LB	3,075	
HDU4	SSTB20	16"	10	3,424 LB	4,565 LB	
HDU5	SSTB20	20"	14	----	4,234 LB	
HDU8	SSTB28	24"	20	----	6,970 LB	
HDU11	PAB8	24"	30	----		9,535 LB

⑨ FOUNDATION NOTES.1
1" = 1'-0"



STRUCTURAL ONLY

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O.J.M.
-Residencial Design-

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- additions

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NEW HOUSE

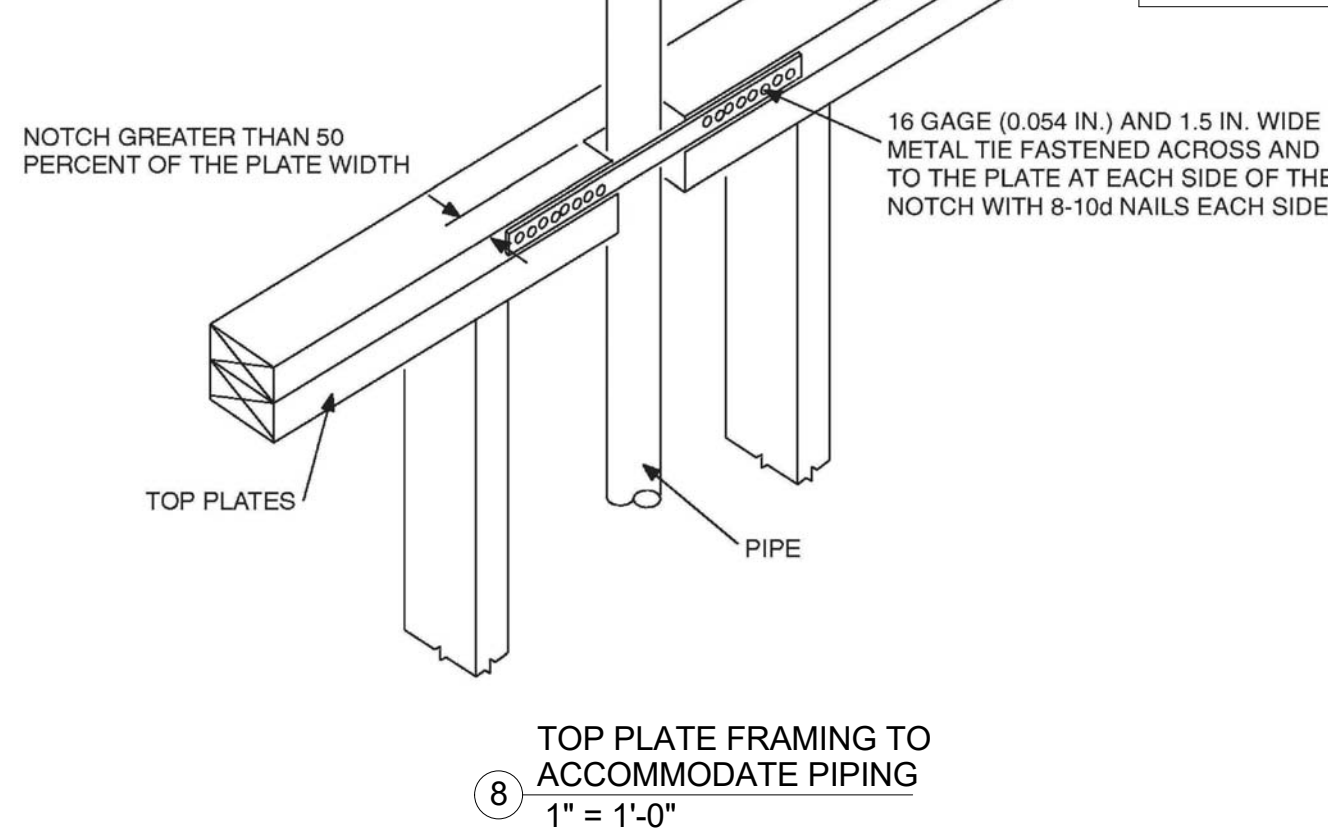
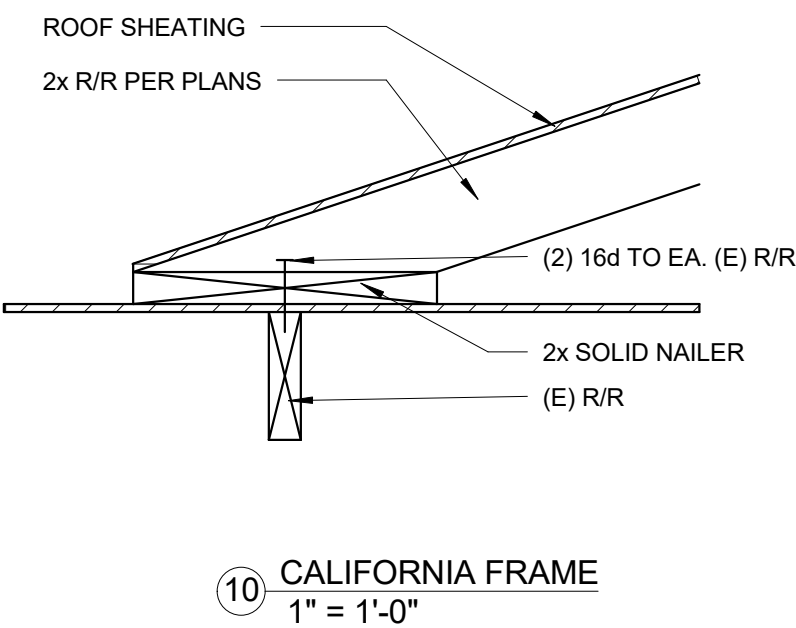
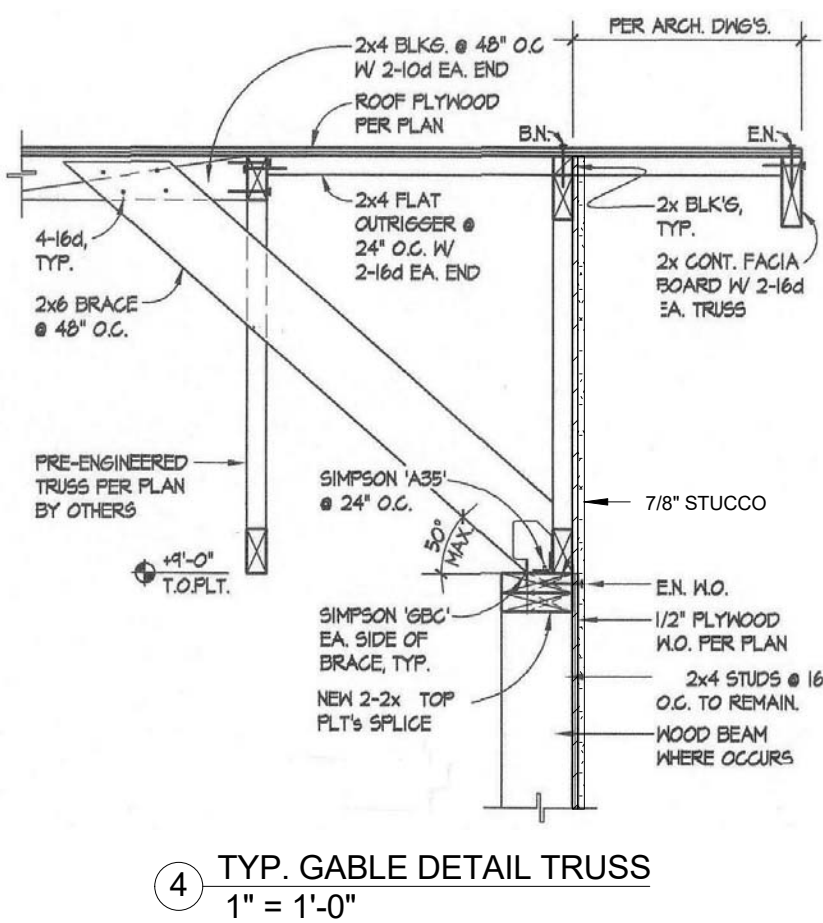
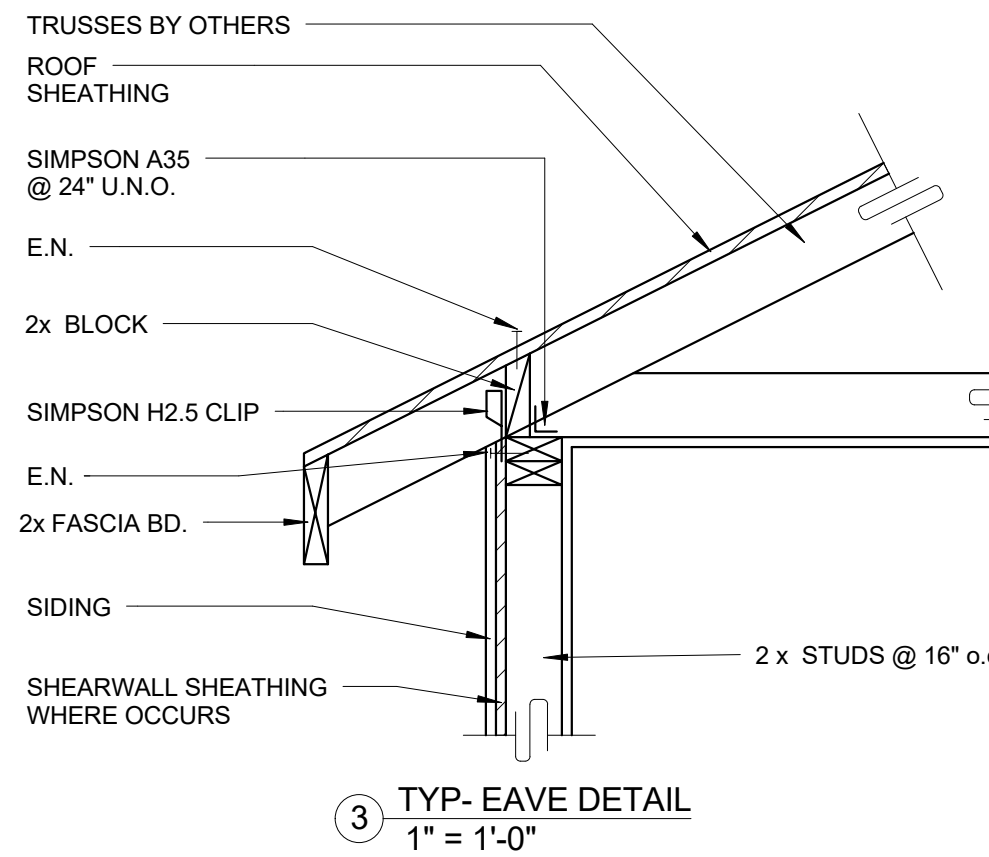
JOHN
2248 W GRAND AVE
Pomona, CA 91766

RAISE FOUNDATION

Project number	JHON2018
Date	11-16 -2018
Drawn by	OMAR MARROQUIN
Checked by	RER

S-0

Scale	As indicated
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1. ALL ROOF SHALL BE FASTENED ACCORDING TO THE MANUFACTURER'S HIGH WIND RESISTANT INSTRUCTIONS AND TABLE 15-B-1.
2. ROOFS SHALL BE INSTALLED OVER 1/2" THICK MINIMUM OSB RADIANT BARRIER
3. A MINIMUM OF 2 LAYER TYPE 15 FELT UNDERLAYMENT FOR COMPOSITIONS ROOF COVERING AND TYPE 30 FELT UNDERLAYMENT FOR TILE ROOFS PER 2016 CBC SECTIONS 1507.2.2 & 1507.3.3
4. PLYWOODS SHALL BE CONTINUOUS UNDER CALIFORNIA FILL

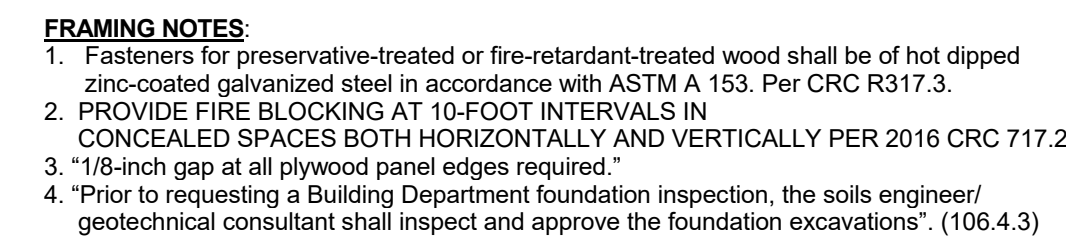
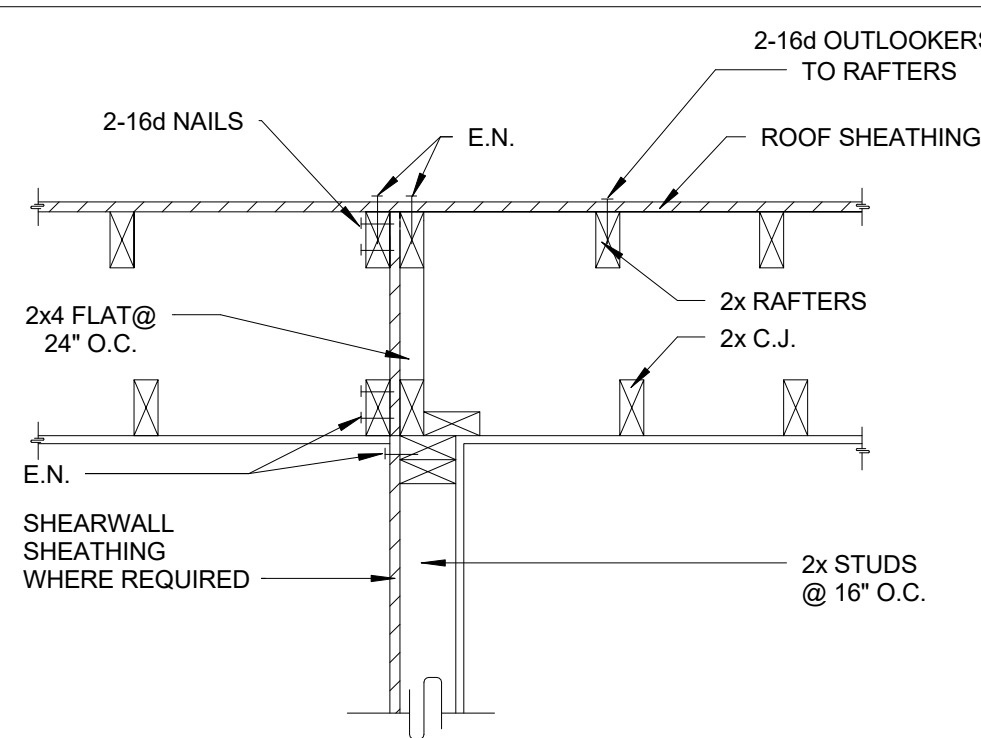


TABLE R602.3(1) FASTENING SCHEDULE			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^a	SPACING AND LOCATION
		Roof	
1	Blocking between ceiling joists or rafters to top plate	4-8d box ($2\frac{1}{2}'' \times 0.113''$) or 3-8d common ($2\frac{1}{2}'' \times 0.131''$); or 3-10d box ($3'' \times 0.128''$); or 3-3'' \times 0.131" nails	Toe nail
2	Ceiling joists to top plate	4-8d box ($2\frac{1}{2}'' \times 0.113''$) or 3-8d common ($2\frac{1}{2}'' \times 0.131''$); or 3-10d box ($3'' \times 0.128''$); or 3-3'' \times 0.131" nails	Per joist, toe nail
3	Ceiling joist not attached to parallel rafter, laps over partitions [see Sections R802.3.1, R802.3.2 and Table R802.5.109]	4-10d box ($3'' \times 0.128''$); or 3-1-6d common ($3\frac{1}{2}'' \times 0.162''$); or 4-3'' \times 0.131" nails	Face nail
4	Ceiling joist attached to parallel rafter (heel joint) [see Sections R802.3.1 and R802.3.2 and Table R802.5.109]	Table R802.5.109	Face nail
5	Collar tie to rafter, face nail or $1\frac{1}{4}'' \times 20$ g.a. ridge strap to rafter	4-10d box ($3'' \times 0.128''$); or 3-1-0d common ($3'' \times 0.148''$); or 4-3'' \times 0.131" nails	Face nail each rafter
6	Rafter or roof truss to plate	3-1-6d box nails ($3\frac{1}{2}'' \times 0.135''$); or 3-1-0d common boxes ($3'' \times 0.148''$); or 4-1-0d box ($3'' \times 0.128''$); or 4-3'' \times 0.131" nails	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss ^b
7	Roof rafters to ridge, valley or hip rafters or roof rafter to minimum 2" ridge beam	4-1-6d ($3\frac{1}{2}'' \times 0.135''$); or 3-1-0d common ($3\frac{1}{2}'' \times 0.148''$); or 4-1-0d box ($3'' \times 0.128''$); or 4-3'' \times 0.131" nails	Toe nail
		3-1-6d box $3\frac{1}{2}'' \times 0.135''$; or 2-1-6d common ($2\frac{1}{2}'' \times 0.162''$); or 3-1-0d box ($3'' \times 0.128''$); or 3-3'' \times 0.131" nails	End nail
		Wall	
8	Stud to stud (not at braced wall panels)	1-6d common ($3\frac{1}{2}'' \times 0.162''$) 1-10d box ($3'' \times 0.128''$); or 3'' \times 0.131" nails	24" o.c. face nail
9	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	1-6d box ($3\frac{1}{2}'' \times 0.135''$); or 3'' \times 0.131" nails	16" o.c. face nail
		1-6d common ($3\frac{1}{2}'' \times 0.162''$)	16" o.c. face nail
10	Built-up header (2" to 2" header with $\frac{1}{8}''$ spacer)	1-6d common ($3\frac{1}{2}'' \times 0.162''$) 1-6d box ($3\frac{1}{2}'' \times 0.135''$)	16" o.c. each edge face nail
		5-8d box ($2\frac{1}{2}'' \times 0.113''$); or 4-8d common ($2\frac{1}{2}'' \times 0.131''$); or 4-1-0d box ($3'' \times 0.128''$)	12" o.c. each edge face nail
11	Continuous header to stud	1-6d common ($3\frac{1}{2}'' \times 0.162''$)	Toe nail
12	Top plate to top plate	1-6d common ($3\frac{1}{2}'' \times 0.162''$) 1-10d box ($3'' \times 0.128''$); or 3'' \times 0.131" nails	16" o.c. face nail
	Two-toe toe plate splice for SDCs A-D, with seismic l line spacing < 25"	8-1-6d common ($3\frac{1}{2}'' \times 0.162''$); or 12-1-6d box ($3\frac{1}{2}'' \times 0.135''$); or 12-1-10d box ($3'' \times 0.128''$); or 12-3'' \times 0.131" nails	Face nail on each side of end joint (minimum 24" lap splice length each side of end joint)
	one splice SDCs D ₁ , D ₂ , or D ₃ ; and braced seismic > 25"	12-1-6d ($3\frac{1}{2}'' \times 0.135''$)	

(continued)



9 GABLE TO GABLE CONNECTION
1" = 1'-0"

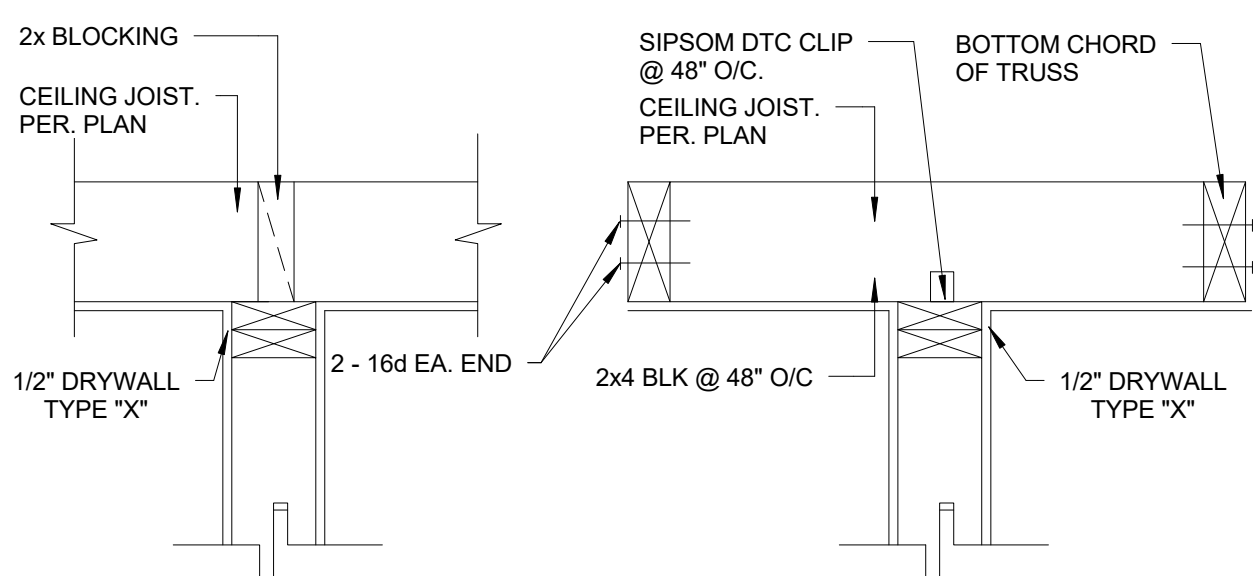
TABLE 602.2(3) FASTENING SCHEDULE—continued					
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b}		SPACING AND LOCATION	
		Floor			
24	2" subfloor to joist or girder	3-16d box ($3\frac{1}{2}" \times 0.135"$); or 2-16d common ($2\frac{1}{2}" \times 0.162"$)		Blind and face nail	
25	2" planks (plank & beam—floor & roof)	3-16d box ($3\frac{1}{2}" \times 0.135"$); or 2-16d common ($2\frac{1}{2}" \times 0.162"$)		At each bearing, face nail	
26	Band or rim joist to joist	3-16d common ($3\frac{1}{2}" \times 0.162"$) 4-10 box ($3" \times 0.128"$); or 4-3" \times 0.131" nails; or 4-3" \times 1/4 gal. staples, 17" crown		End nail	
27	Build-up girders and beams, 2-inch lumber layers	20d common ($4" \times 0.192"$); or 10d box ($3" \times 0.128"$); or 3-10 box ($3" \times 0.128"$); or 3-3" \times 0.131" nails		Nail each layer as follows: 32" o.c. at top and bottom and staggered	
28	Ledger strip supporting joists or rafters	2-20d common ($4" \times 0.192"$); or 3-10 box ($3" \times 0.128"$); or 3-3" \times 0.131" nails		24" o.c. face nail at top and bottom staggered on opposite sides	
29	Bridging to joist	4-16d box ($3\frac{1}{2}" \times 0.135"$); or 4-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-10d box ($3" \times 0.128"$); or 4-3" \times 0.131" nails		Face nail at ends and at each splice	
30	Bridging to joist	2-10d ($3" \times 0.128"$)		At each joist or rafter, face nail	
31	Bridging to joist	2-10d ($3" \times 0.128"$)		Each end, toe nail	
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b}		SPACING OF FASTENERS	
				Edges (ends) ^c	Intermediate supports (nails)
Wood structural panels, subfloor, roof and interior wall sheathing to framing and partitionboard wall sheathing to framing [see Table 606.2(2) for wood structural panel sheathing to wall framing]					
32	$\frac{1}{2}" - \frac{1}{4}"$	6d common ($2" \times 0.113"$) nail (subfloor, wall); 8d common nail ($2\frac{1}{2}" \times 0.131"$) (roof)		6	12 ^d
33	$\frac{1}{2}" - 1"$	8d common nail ($2\frac{1}{2}" \times 0.131"$)		6	12 ^d
34	$\frac{1}{2}" - 1\frac{1}{4}"$	10d common ($3" \times 0.148"$) nail; or 8d ($2\frac{1}{2}" \times 0.131"$) deformed nail		6	12
Other wall sheathing ^d					
35	$\frac{1}{2}"$ structural cellulose fiberboard sheathing	17", galvanized roofing nail, $\frac{1}{8}"$ head diameter, 1" crown staple 16 ga, 17" long		3	6
36	$\frac{3}{8}"$ structural cellulose fiberboard sheathing	17", galvanized roofing nail, $\frac{1}{8}"$ head diameter, or 1" crown staple 16 ga, 17" long		3	6
37	$\frac{1}{2}"$ gypsum sheathing ^e	17", galvanized roofing nail, staple galvanized, 17" long, 17" screws, Type W or S		7	7
38	$\frac{1}{2}"$ gypsum sheathing ^e	17", galvanized roofing nail, staple galvanized, 17" long, 17" screws, Type W or S		7	7
Wood structural panels, partitionboard and interior partition wall sheathing to framing					
39	$\frac{1}{2}"$ and less	16 deformed ($2" \times 0.120"$) nail; or 8d common ($2\frac{1}{2}" \times 0.131"$) nail		6	12
40	$\frac{1}{2}" - 1"$	16 deformed ($2\frac{1}{2}" \times 0.131"$) nail; or 8d deformed ($2\frac{1}{2}" \times 0.120"$) nail		6	12
41	$1\frac{1}{8}" - 1\frac{1}{4}"$	10d common ($3" \times 0.148"$) nail; or 8d deformed ($2\frac{1}{2}" \times 0.120"$) nail		6	12

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s; 1 ksi = 6.895 MPa

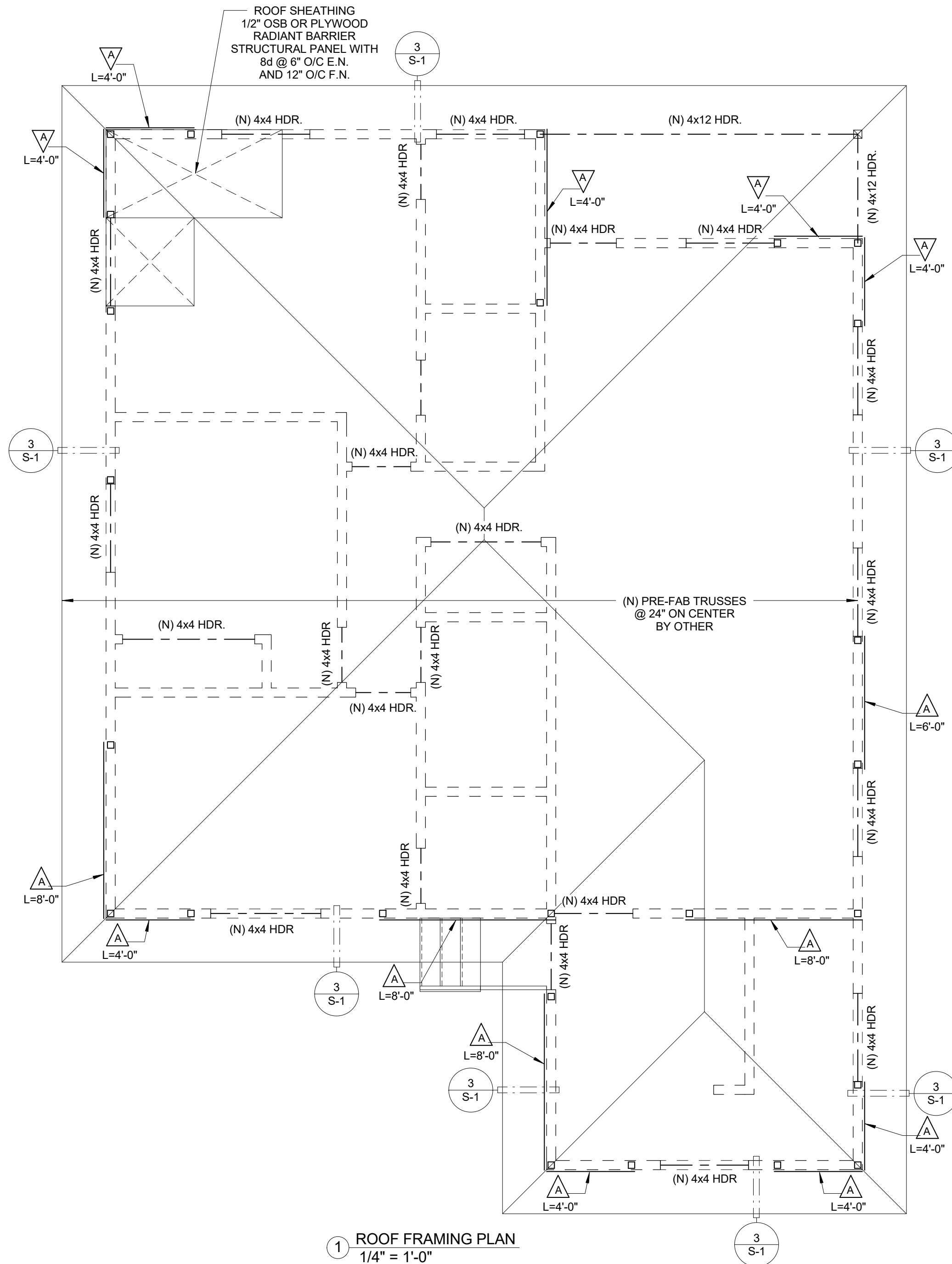
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TABLE R602.3(1)—continued FASTENING SCHEDULE			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a,b,c}	SPACING AND LOCATION
14	Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3½" × 0.162")	16" o.c. face nail
		16d box (3½" × 0.135"; or 2" × 0.131" nails	12" o.c.
15	Bottom plate to joist, rim joist, band joist or blocking (at braced wall panel)	3-16d box (3½" × 0.135"; or 2-16d common (3½" × 0.162"); or 4-3" × 0.131" nails	3 each 16" o.c. face nail 2 each 16" o.c. face nail 4 each 16" o.c. face nail
		4-8d box (2½" × 0.113"); or 3-16d box (3½" × 0.135"; or 4-8d common (2½" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails	Toe nail
16	Top or bottom plate to stud	3-16d box (3½" × 0.135"; or 2-16d common (3½" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	End nail
		3-10d box (3" × 0.128"); or 2-16d common (3½" × 0.162"); or 3-3" × 0.131" nails	Face nail
17	Top plates, laps at corners and intersections	3-8d box (2½" × 0.113"); or 2-8d common (2½" × 0.131"); or 2-10d box (3" × 0.128"); or 2 staples 1½" long	Face nail
18	1" brace to each stud and plate	3-8d box (2½" × 0.113"); or 3-8d common (2½" × 0.131"); or 3-10d box (3" × 0.128"); or 3 staples, 1" crown, 16 ga., 1½" long	Face nail
19	1" × 6" sheathing to each bearing	3-8d box (2½" × 0.113"); or 2-8d common (2½" × 0.131"); or 2-10d box (3" × 0.128"); or 2 staples, 1" crown, 16 ga., 1½" long	Face nail
20	1" × 8" and wider sheathing to each bearing	Wider than 1" × 8" 4-8d box (2½" × 0.113"); or 3-8d common (2½" × 0.131"); or 3-10d box (3" × 0.128"); or 4 staples, 1" crown, 16 ga., 1½" long	Face nail
Floor			
21	Joist to sill, top plate or girder	4-8d box (2½" × 0.113"); or 3-8d common (2½" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	Toe nail
22	Rim joist, band joist or blocking to sill or top plate (roof applications also)	8d box (2½" × 0.113")	4" o.c. toe nail
23	1" × 6" subfloor or less to each joist	8d common (2½" × 0.131"); or 10d box (3" × 0.128"); or 3" × 0.131" nails	6" o.c. toe nail
		3-8d box (2½" × 0.113"); or 2-8d common (2½" × 0.131"); or 3-10d box (3" × 0.128"); or 2 staples, 1" crown, 16 ga., 1½" long	Face nail

(continued)



7 NON-BEARING WALL/TOP SUPPORT
1 1/2" = 1'-0"



1 ROOF FRAMING PLAN
1/4" = 1'-0"

TABLE R602.3(1)—continued
FASTENING SCHEDULE

- a. Nails are smooth-cone, box or round shank except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strength as shown (30 ksi for sheath diameter of 0.192 inch (20d) minimum, 50 ksi for sheath diameter larger than 0.142 inch (16d) minimum).
 - b. Staples are 16 gauge wire and have a minimum $\frac{1}{16}$ " inch on diameter crown width.
 - c. Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
 - d. Four foot by 8 foot or 4 foot by 9 foot panels shall be applied vertically.
 - e. Spacing of fasteners not included in this table shall be based on Table R602.3(2).
 - f. Where the ultimate design wind speed is 130 mph or less, nails for attaching wood structural panel sheathing to gable end wall framing shall be spaced 6 inches on center. Where the ultimate design wind speed is greater than 130 mph, nails for attaching wood structural panel sheathing to intermediate supports shall be spaced 4 inches on center.
 - g. Gypsum sheathing shall conform to ASTM C1396 and shall be installed in accordance with GA253. Fiberglass sheathing shall conform to ASTM C208.
 - h. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and requires blocking and at floor perimeter only.
 - i. Spacing of fasteners on wall sheathing panel edges applies to panel edges supported by framing members and requires blocking and at floor perimeter only.
 - j. Sheathing panel edges perpendicular to the framing members shall not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.
- Where the rafter-to-roof sheathing is on a panel edge, provide two toe nails on one side of the panel edge and two toe nails on the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.

NAILING NOTES:

1. NAILING WILL BE IN COMPLIANCE WITH T-602.3 (1) 2016 CRC

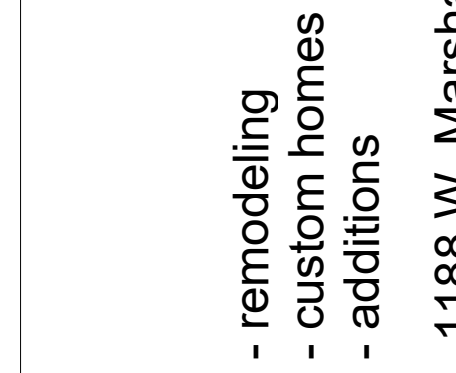
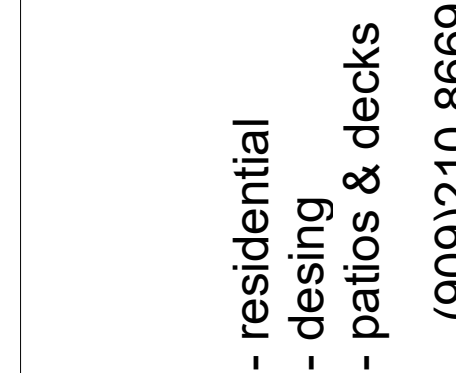
ANCHOR BOLTS NOTES:

1. PROVIDE AT LEAST 2 ADDITIONAL A.B. BETWEEN H.D.s TYP. FOR ALL SHEAR TYPE

SHEAR WALL SCHEDULE						
CODE	WALL COVERING (SHEAR PANEL) STRUCTURAL	O.C. NAIL SPACING		WALL BTM PLATE TO FOUNDATION	WALL BTM PLATE TO WOOD FLOOR	CAPACITY
		EDGE NAIL (E.N.)	FIELD NAIL (F.N.)			
(A) ₍₂₎	1/2" OSB WOOD MIN. STRUCTURAL PANEL SHEATHING	10@ 6"	10@ 12"	5/8" DIA. ANCH. BOLT @ 42" O.C.	16@ 8" O.C.	340 PLF
(B) ₍₃₎	1/2" WOOD MIN. STRUCTURAL PANEL SHEATHING	10@ 4"	10@ 12"	5/8" DIA. ANCH. BOLT @ 28" O.C.	16@ 4" O.C.	510 PLF
(C) ₍₃₎	1/2" WOOD MIN. STRUCTURAL PANEL SHEATHING	10@ 3"	10@ 12"	5/8" DIA. ANCH. BOLT @ 21" O.C.	16@ 4" O.C.	665 PLF

- (1) FOR STUDS @ 16" O/C
- (2) PROVIDE 2x STUDS AND BLOCKING AT ALL PANEL EDGE JOINTS.
- (3) PROVIDE 3x SILL PLATES.

6 SHEAR WALL,
1" = 1'-0"

[illegible]

NEW HOUSE

248 W GRAND AVE
Pomona, CA 91766

ROOF FRAMING PLAN

Project number	JHON2018
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Date	11-16 -2018
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Drawn by OMAR MARROQUIN

Checked by	O.J.M
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S-1

Scale	As indicated
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