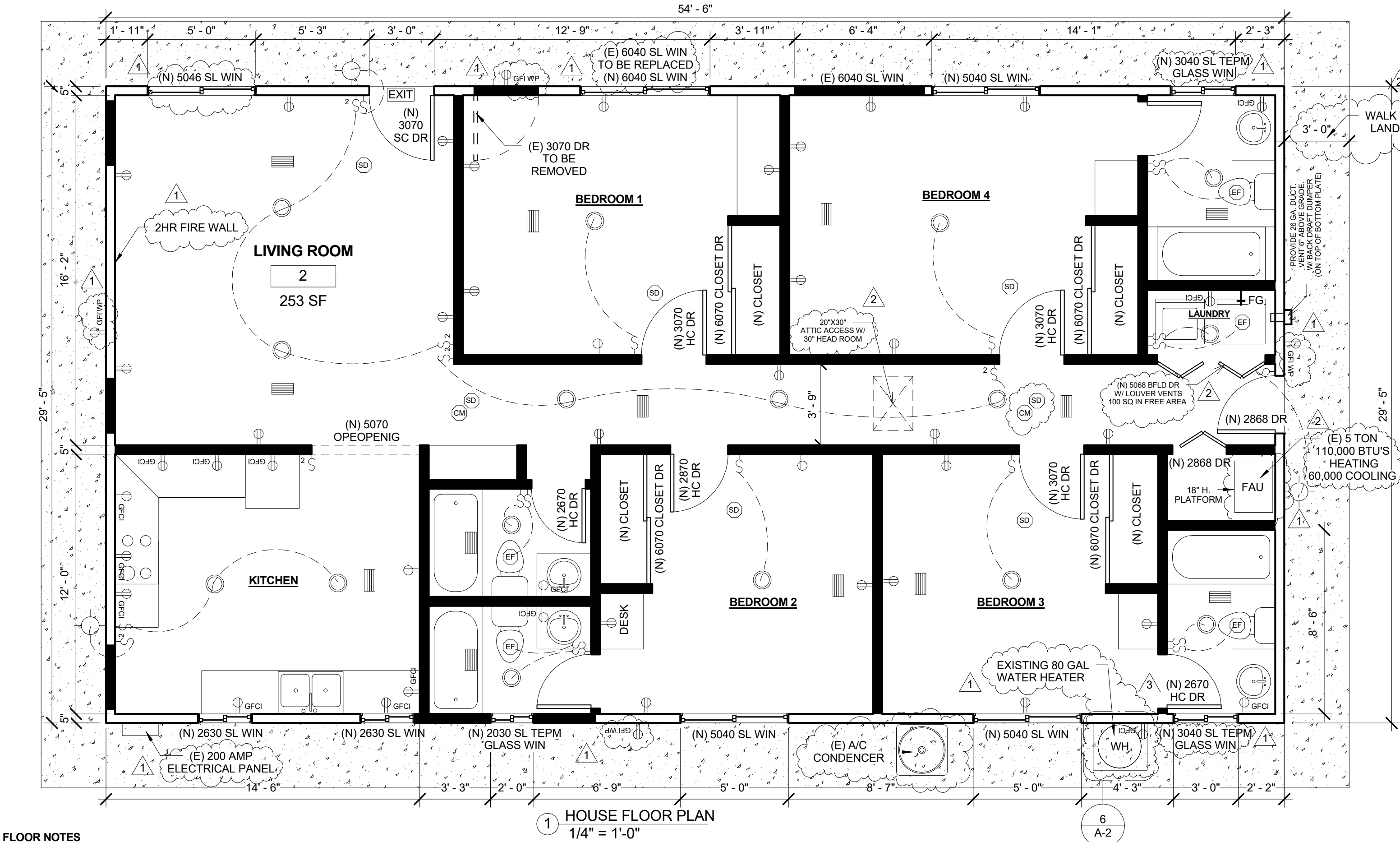




Scale	As indicated
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- FLOOR NOTES**
- GLAZING WITHIN 24" FROM EDGE OF DOORS SHALL BE A SAFETY GLAZING.
  - MAXIMUM FLOW RATE:
    - SHOWERHEADS : 2.0 GPM @ 80 PSI
    - KITCHEN FAUCET : 1.8 GPM @ 60 PSI
    - LAVATORY FAUCET : 1.2 GPM @ 60 PSI
    - WATER CLOSETS : 1.28 GALLONS PER FLUSH
    - WALL-MOUNTED URINAL : 0.125 GALLONS PER FLUSH
    - FLOOR-MOUNTED URINAL : 0.125 GALLONS PER FLUSH
  - RECEPTACLE OUTLET LOCATIONS WILL COMPLY WITH NEC ART. 210-52(a)
  - PROVIDE SMOKE DETECTOR ALARMS ON ALL BEDROOMS, HALLS, ROOMS AND ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS.
  - SMOKE ALARMS SHALL BE HARD WIRED WITH BATTERY BACK-UP.
  - SMOKE ALARMS SHALL BE INTERCONNECTED SO THAT THE ACTIVATION OF ONE ALARM ACTIVATES ALL OF THE ALARMS. CBC 907.2.11.3
  - BATHROOM MUST HAVE A SEPARATE 20 AMP CIRCUITS FOR RECEPTACLE ONLY.
  - WINDOWS U-FACTOR SHALL BE PER ENERGY CALCULATIONS
  - ALL ELECTRICAL IS TO BE INSTALLED PER 2013 CEC.
  - APPROVED SPARK ARRESTORS SHALL BE INSTALLED ON ALL CHIMNEYS.
  - THE MANUFACTURED WINDOWS SHALL HAVE A LABEL ATTACHED CERTIFIED BY THE NATIONAL FENESTRATION RATING COUNCIL (NFRC) AND SHOWING COMPLIANCE WITH THE ENERGY CALCULATIONS.
  - DOOR BETWEEN DWELLING AND GARAGE SHALL BE NOT LESS THAN 1 3/4" THICK SOLID WOOD TIGHT FITTING, AND SELF-CLOSING DOOR ASSEMBLY.
  - WATER HEATER IN THE GARAGE SHALL BE RAISED 18" ABOVE THE FINISH FLOOR PROVIDED WITH SEISMIC STRAPPING, T AND P VALVE WITH DRAIN OUTSIDE OF DWELLING.
  - ANTI-SIPHON DEVICE SHALL BE INSTALLED IN EVERY OUTDOOR HOSE BIB.
  - SHOWER ENCLOSURE DOOR SHOULD BE A SAFETY GLAZED OPENING.
  - PROVIDE DRYER EXHAUST PIPE WITH BACK DRAFT DAMPER PER MECHANICAL CODE.
  - CARBON MONOXIDE DETECTORS SHALL BE INSTALL IN THE HALLWAYS LEADING TO BEDROOMS AS PER 2013 CALIFORNIA RESIDENTIAL CODE R315.1 CRC. (APPROVED COMBINED SMOKE ALARMS AND CARBON DIOXIDE ALARMS SHALL BE ACCEPTABLE.)
  - PROVIDE APPROVAL GASKET AT PERIMETER EDGES FOR ATTIC ACCESS.
  - PROVIDE A 20 AMP MIN. DEDICATED CIRCUIT FOR THE LAUNDRY ROOM.
  - PROVIDE A MIN. 2-20 AMP CIRCUITS FOR THE COMMON USE APPLIANCES.

- Installation and Use Listed or labeled equipment shall be installed and used in accordance with any instructions included in the listing or labeling.
- 3.5 inch clean out, based on 4 inch soil pipe 18 inches from foundation and extend above grade CPC 2013 Section 707.10 and 719.
- RECEPTACLES SHALL BE TAMPER RESISTANT FOR ALL 15 & 20 AMPERE. RECEPTACLES IN DWELING UNIT FAMILY. PER 2013 CEC ARTICLE 406.12
- All construction to comply with the 2013 California Model Codes as based on the 2013 California Residential Code (CRC), 2012 Uniform Mechanical & Plumbing Code, the 2011 National Electrical Code, 2013 California Energy and the 2013 California Green Building Standards Code.
- Annular spaces around pipes, electric cables, conduits, or other openings in the sole/bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry, or metal plates. Piping prone to corrosion shall be protected in accordance with Section 313.0 of the California Plumbing Code.(4.406.1)
- All 120 volt, single phase, 15 and 20 ampere branch circuits supplying outlets install in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas. Protection shall be provided by a listed arc-fault circuit interrupter, combination type, installed to provide protection of the branch circuit. PER 2013 CEC
- Safety glazing shall be provided in the following locations: (R308.4 CRC)
  - a. Glazing in all fixed and operable panels of swinging, sliding and bifold doors.
  - b. 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 the bottom exposed edge of glazing is less than 60" measured vertically above any standing or walking surface. This shall apply to single glazing and all panes in multiple glazing.

- A bath exhaust fan w/ back draft damper is required regardless of the presence of a window. Exhaust must vent to outdoors in an approved duct. Terminate the outlet a minimum of 3' from an opening or property line. CMC 504.5 A nine (9) dcm is required. Fan shall meet ASHRA standard 62.2. A maximum of 3 sone rating is required. 2013 CEC
- Fans shall be ENERGY STAR compliant. CGBS 4.506.1.1 Unless the bathroom exhaust fan is part of the Whole House Ventilation System, fans must be controlled by a humidistat which shall be readily accessible. Humidistat controls shall be capable of adjustment between a relative humidity range of 50 to 80 percent. For the purpose of this section, a bathroom is a room that contains a bathtub, shower, or tub/shower combination. CGBS 4.506.1.2
- Garages, Laundry Rooms, and Utility Rooms All luminaires must be high efficacy and must be controlled by a vacancy sensor.
- At least one luminary in each bathroom must be high efficacy. All other luminaries in a bathroom must be either high efficacy, or controlled by vacancy sensors

**NOTES:**

- All concealed work installed without permits must be exposed for inspection to the satisfaction of the Building Inspector. This includes methods of attachment and all footings, structural members, mechanical, electrical, plumbing and insulation.

## P16-0648, Exhibit 6 - Project Plans

### TYP. LEGEND

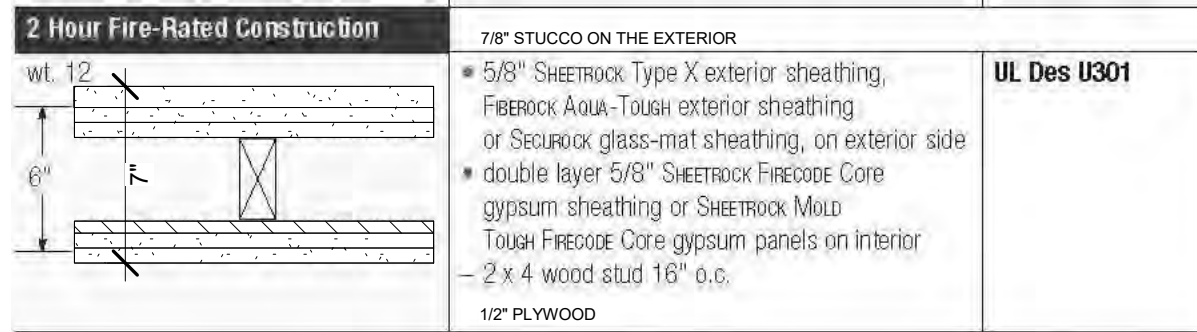
- NEW WALL FRAMING
- EXISTING WALL FRAMING TO REMAIN
- EXISTING WALL FRAMING TO BE REMOVED
- 110V DUPLEX RECEPTACLE AT +15 A.F.F.
- LIGHT SWITCH PER CA. T-24 AT 36" TO 48" A.F.F.
- EXISTING
- NEW
- 1'x4' FLUORESCENT FIXTURES W/ 2-40W TUBES
- LIGHT FIXTURE (high efficacy)
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN TO PROVIDE 5 AIR CHANGES PER HOURS SWITCH TO LIGHT, VENT THROUGH ROOF
- SMOKE DETECTOR W/ BATTERY BACKUP
- RECESSED FLUORESCENT CAN LIGHT FIXTURE (high efficacy)
- INCANDESCENT CAN LIGHT FIXTURE
- ONE
- CARBON MONOXIDE ALARM
- A/C REGISTER - GRILL

### LEDGEND.

1 : 1

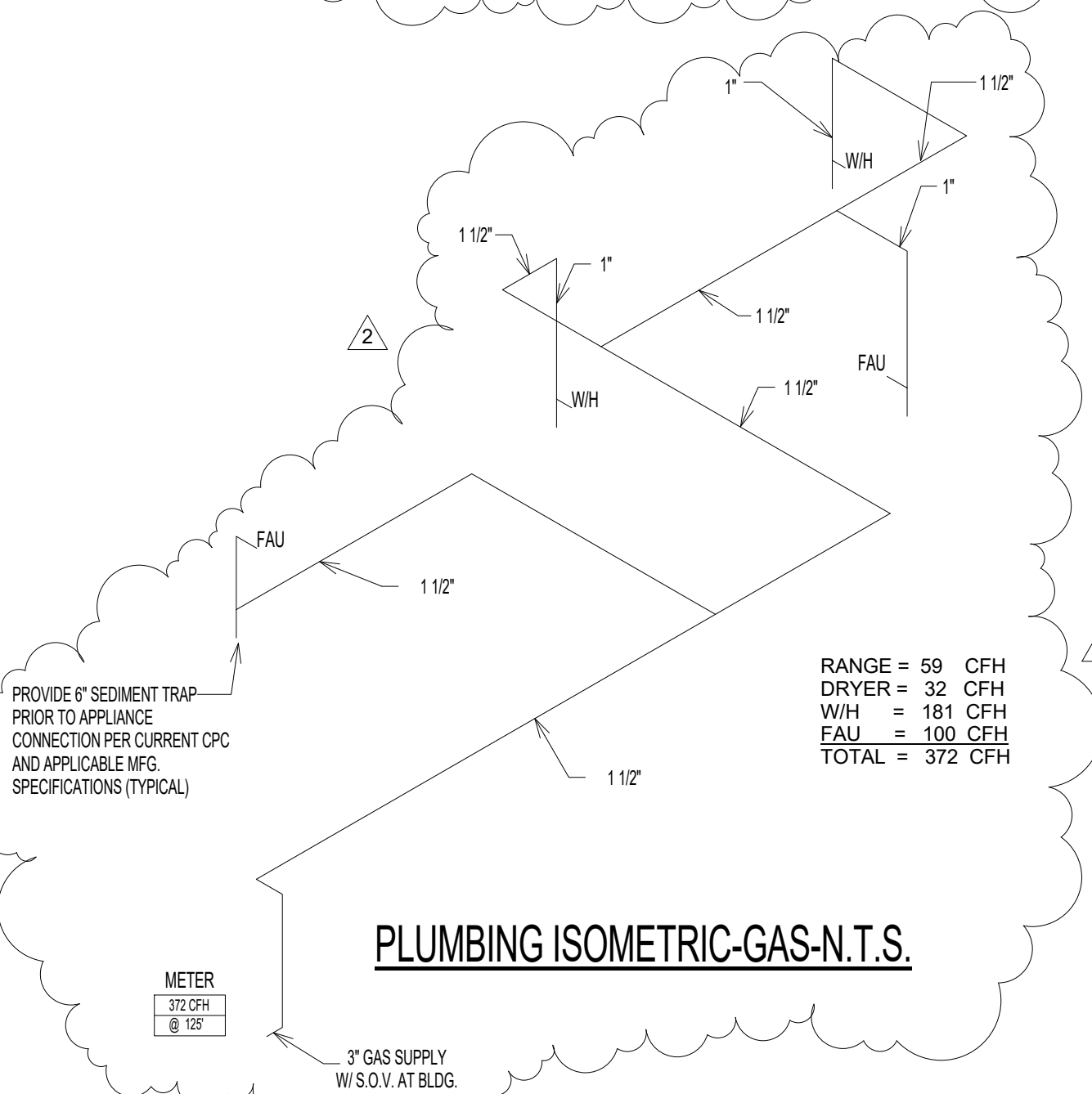
### WHOLE HOUSE VENTILATION:

- All continuously operating fans shall be rated at a maximum of 1.0 sone. Intermittently operated whole-building ventilation fans shall be rated at a maximum of 1.0 sone.
- Intermittently operated local exhaust fans shall be rated at a maximum of 3.0 sone.
- Remotely located air-moving equipment (mounted outside of habitable spaces) need not meet sound requirements if there is at least 4 feet of ductwork between the fan and the intake grill.
- Ventilation system controls shall be labeled and the home owner shall be provided with instructions on how to operate the system.



### 2HR EXTERIOR FIRE RATED

1 1/2" = 1'-0"



### PLUMBING ISOMETRIC-GAS-N.T.S.

DOOR SCHEDULE					
DOOR NUMBER	DOOR SIZE	MATERIAL	FINISH	THICKNESS	FINISH COMMENTS
(N) 3068	3'-0"x6'-8"	HC	PF	1 3/4"	
(E) 2668	2'-6"x6'-8"	HC	PF	1 3/4"	
(E) 2868	2'-8"x6'-8"	HC	PF	1 3/4"	
(E) 3068	3'-0"x6'-8"	SC	PF	1 3/4"	
(N) 3068	3'-0"x6'-8"	SC	PF	1 3/4"	TO BE REPLACE TO MATCH EXISTING
(N) 6068	6'-0"x6'-8"	SC	PF	1 3/4"	TO BE REPLACE TO MATCH EXISTING

**ABBREVIATIONS**  
SC = SOLID CORE  
PF = PREFINISHED  
PS = PRESSED STEEL (TIMELY)

### BUILDING MAINTENANCE AND OPERATION:

- At the time of final building inspection, a manual or other media providing the following information shall be placed in the building:
  - A. Directions to the owner that the manual shall remain with the building.
  - B. Operation and maintenance instructions for all equipment and appliances.
  - C. Information from local utilities concerning conservation programs.
  - D. Public transportation and/or carpooling available in the area.
  - E. Educational materials on the positive impacts of an interior relative humidity between 30-60 percent and how those levels may be achieved and maintained.
  - F. Information concerning water-conserving landscaping and irrigation design.
  - G. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation.
  - H. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc.
  - I. Information about state solar energy and incentive programs available.
  - J. A copy of any special reports or commissioning reports required to verify compliance with the Green Code standards.

### LEAD HAZARD WARNING

Due to the possible presence of lead based paint, lead safe work practices are required for all repairs in pre-1978 buildings that disturb paint. Failure to do so could create lead hazards that violate California Health & Safety Code Section 17020.10 and 105256, and many be subject to a \$1,000 fine or criminal prosecution. Call Riverside County Health - Childhood Lead Poisoning Prevention Program at (800) 346-6520 or for more information call Environmental Protection Agency (EPA) (415) 947-4164

### Homes built before 1978

- ~ Lead-based paint chips or peels;
- ~ Lead-based paint is disturbed during repairs or renovations;
- ~ Lead contaminates soil along roadways, near buildings, and homes;
- ~ Lead dust from paint and soil accumulates in and around homes;
- ~ Lead dust settles on bare soil around the home where children play;
- ~ Lead dust settles on toys, fingers, and other things children put in their mouths.

*The person with project responsibility shall notify the County and take measures to remove tainted hazard in the proper fashion.*

WINDOW SCHEDULE									
WINDOW NUMBER	WINDOW SIZE	TYPE-MATERIAL	FINISH	THICKNESS	U-FACTOR	SHGC	NFRC	FINISH COMMENTS	
2030	2'-0"x3'-0"	SLIDING-VINYL	PF	1 3/4"	.28	.23	NFRC	1" STC RATING 34 SOUND RESISTANT	
2630	2'-6"x3'-0"	SLIDING-VINYL	PF	1 3/4"	.28	.23	NFRC	1" STC RATING 34 SOUND RESISTANT	
2640	2'-6"x4'-0"	SLIDING-VINYL	PF	1 3/4"	.28	.23	NFRC	1" STC RATING 34 SOUND RESISTANT	
3040	3'-0"x4'-0"	SLIDING-VINYL	PF	1 3/4"	.28	.23	NFRC	1" STC RATING 34 SOUND RESISTANT	
5040	5'-0"x4'-0"	SLIDING-VINYL	PF	1 3/4"	.28	.23	NFRC	1" STC RATING 34 SOUND RESISTANT	
6040	6'-0"x4'-0"	SLIDING-VINYL	PF	1 3/4"	.28	.23	NFRC	1" STC RATING 34 SOUND RESISTANT	

**ABBREVIATIONS**  
SL = SLIDING  
DH = DOUBLE HUNG  
PF = PREFINISHED

### WINDOW SCHEDULE

12" = 1'-0"

### CALIFORNIA GREEN CODE MANDATORY REQUIREMENTS - RESIDENTIAL

#### ENVIRONMENTAL QUALITY:

- All duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other acceptable material to reduce the amount of dust or debris which may collect in the system.
- All adhesives, sealants, caulks, paints and coatings shall comply with the applicable SCAQMD VOC rules and verification of compliance shall be provided at the request of the Building Inspector.
- All carpet and carpet cushion installed in the building interior shall meet one of the following standards:
  - a) Carpet and Rug Institute's Green Label Plus Program
  - b) California Dept of Public Health Standard Practice for testing of VOCs (Spec 01350)
  - c) NSP/ANSI 140 at the Gold level
  - d) Scientific Certifications Systems Indoor Advantage Gold
- Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in the ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et. seq.).
- A capillary break shall be installed between the concrete slab and supporting grade for all habitable and heated structures.
- Building materials with visible signs of water damage shall not be installed. Moisture content of framing members shall be verified (and documentation provided to the Building Inspector by the builder) as 19 percent or less prior to enclosure of framing members.
- All bathroom exhaust fans shall be ENERGY STAR compliant and ducted to the outside of the building. Unless functioning as a component of a whole house ventilation system, fans must be controlled by a readily accessible humidistat capable of adjustments between 50 to 80 percent relative humidity.
- Whole house exhaust fans shall have insulated louvers or covers (R-4.2 minimum) which close when the fan is off.

#### MATERIAL CONSERVATION

- Annular spaces around pipes, electric cables, conduits or other openings in bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar or equivalent methods acceptable to the Building Official.
- The Construction Waste Management Plan shall require that at least 50 of all nonhazardous construction waste generated by this project as identified in the following table is recycled and/or salvaged.

Waste Material Type	(A) Estimated weight of waste before any recycling or salvage (in tons)	(B) Estimated weight of recycled or salvaged waste (in tons)	(C) Projected Diversion Rate (in Percent)
Asphalt	0	0	Calculate the Projected Diversion Rate Percentage by using the following formula:  $(B) \div (A) \times 100 = (C)$
Concrete	0	0	
Metal	20 lbs = 0.01 tons	20 lbs = 0.01 tons	
Wood	80 lbs = 0.04 tons	80 lbs = 0.04 tons	
Insulation	0	0	<b>NOTE: Total diversion rate shall not be less than</b>  <b>50%</b>  ↓
Drywall	60 lbs = 0.03 tons	60 lbs = 0.03 tons	
Carpet and pad	100 lbs = 0.05 tons	100 lbs = 0.05 tons	
Cardboard and paper	10 lbs = 0.005 tons	10 lbs = 0.005 tons	
Plastics	0	0	100 %
Glass	0	0	
Other:			
Other:			
<b>TOTAL FOR ALL MATERIALS</b>	270 lbs = 0.135 tons	270 lbs = 0.135 tons	100 %

- All subcontractors shall comply with the project's Construction Waste Management Plan.
- This project shall generate the least amount of waste possible by planning and ordering carefully, following all proper storage and handling procedures to reduce broken and damaged materials and reusing materials whenever possible. Waste materials shall be sorted on site prior to removal.
- All construction waste removed from the site shall be documented and said documentation shall be provided in an organized format to the enforcement agency in order to verify compliance with the Construction Waste Management Plan.

Fixture Type	Maximum Flow Rate
Shower Head	2.0 gpm @ 80 psi
Kitchen Faucet	1.8 gpm @ 60 psi
Lavatory Faucet	1.2 gpm @ 60 psi
Water Closet	1.28 gallons per flush
Wall-mounted Urinal	0.125 gallons per flush
Floor-mounted Urinal	0.5 gallons per flush

### PLUMBING NOTE

- ALL EXCAVATIONS FOR PIPING SHALL BE FILLED WITH CLEAN EARTH IN THEIR LAYERS TO 12"
- FIXTURES HAVING CONCEALED SLIP JOINT SHALL BE PROVIDED WITH 12"x12" ACCESS PANEL.
- WATER PRESSURE EXCEEDING 80 PSI SHALL BE REDUCE BY INSTALLING A PRESSURE REGULATOR.
- WELDED JOINTS IN GAS PIPING SHALL BE DONE BY CERTIFIED WELDERS.
- BUILDING SEWER MUST CLEAR PUBLIC WATER MAIN BY AT LEAST 10 FEET.
- WATER PIPE WITH LEAD CONTENT EXCEEDING 8% SHALL BE PROHIBITED.
- SOLDERS AND FLUXES WITH LEAD CONTENT EXCEEDING 0.20 OF 1% ARE PROHIBITED.
- PROVIDE HAMMER VALVES FOR ALL POWER ACTUATED VALVES
- SHOWER AND SHOWER TUB COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THERMOSTATIC MIXING TYPE. PROVIDE PERMANENTLY ACCESSIBLE 12" X 12" TUB TRAP ACCESS OR PROVIDE ONE PIECE TUB DRAIN SYSTEM. IBL 12" X 12" TUB TRAP ACCESS OR PROVIDE ONE PIECE TUB DRAIN SYSTEM.
- BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATHTUBS WITH SHOWER AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE TO A HEIGHT OF 72" ABOVE THE FLOOR.
- WATER HEATERS LOCATED WITHIN HABITABLE SPACE REQUIRE THE MANUFACTURERS SPECIFICATIONS DETAILING THE COMBUSTION OIR SUPPLY AND VENTING.
- Instantaneous gas water heaters (tankless) are not direct replacements for conventional tank type water heaters.
- Cement, 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

- commercial  
- engineering  
- patios & decks

**OJ.M**  
- Residential Design -

- development  
- custom homes  
- additions

No	Description	Date

## HALL CONVERSION TO NEW HOUSE

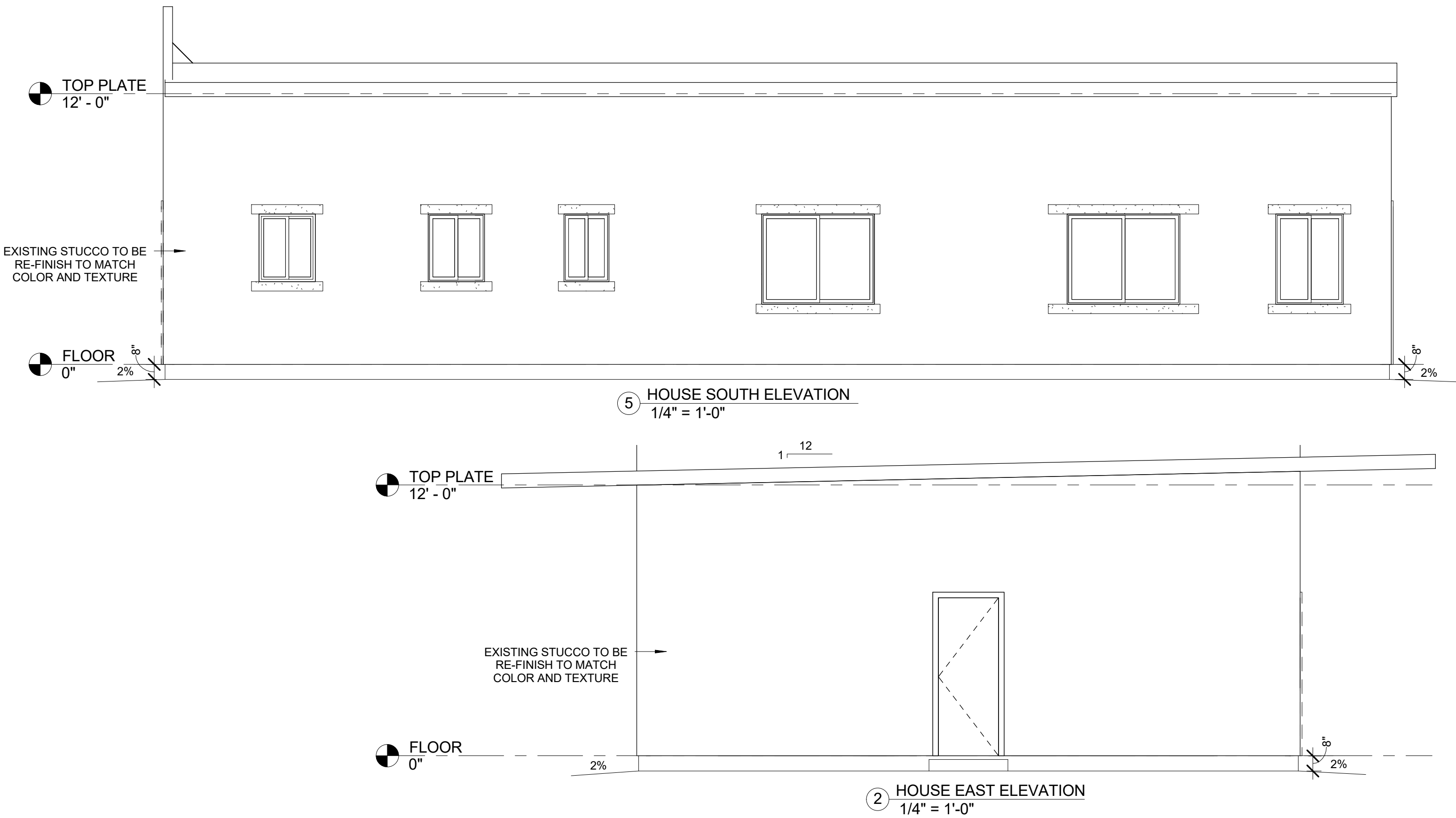
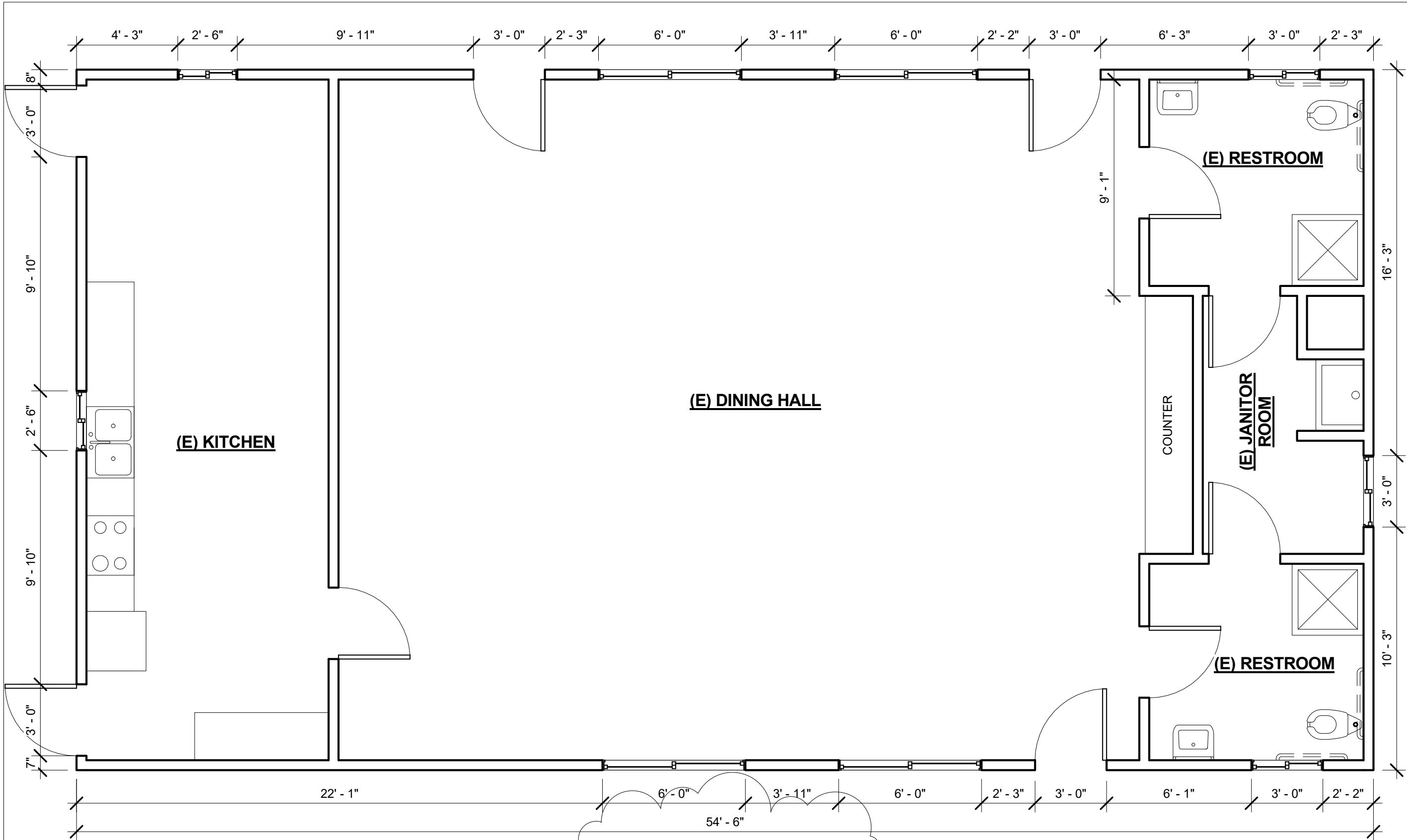
DVARGAS CONSTRUCTION  
4192 Park Ave. - BUILDING 2  
Riverside, CA 92507

## NEW HOUSE FLOOR PLAN

Project number	CHURCH REMODEL
Date	12-21-2016
Drawn by	Author
Checked by	Checker
Scale	As indicated

**A-1**





**NOTES:**  
1. brown coat inspection is required.

**ATTIC VENTILATION CALCULATIONS:**  
OPENINGS SHALL HAVE CORROSION-RESISTANCE WIRE MESH  
OR OTHER APPROVED MATERIAL WITH 1/8-IN MINIMUM AND 1/4-IN  
MAXIMUM OPENING.

**ATTIC VENTILATION CALCULATIONS ROOF W/ ATTIC:**  
PROPOSED ROOF ATTIC AREA: 1,601/150 = 10.6 S.F.  
PROVIDE (6) 18"x24" ATTIC. ATTIC VENT (1.5 SQ.) ATTIC VENTS = 9.0 > 10.6  
PROPOSED ROOF ATTIC AREA: 1,601/150 = 10.6 S.F.  
PROVIDE (6) 16"x8" ATTIC. EAVE VENT (0.19 SQ.) ATTIC VENTS = 1.5 < 1.8  
1.5 + 9.0 = 10.5 > 10.6

TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER <sup>a,c</sup>	SPACING OF FASTENERS
Roof			
1	Blocking between joists or rafters to top plate, toe nail	3-8d (2 1/2" x 0.113")	—
2	Ceiling joists to plate, toe nail	3-8d (2 1/2" x 0.113")	—
3	Ceiling joists not attached to parallel rafter, laps over partitions, face nail	3-10d	—
4	Collar tie to rafter, face nail or 1 1/2" x 20 gage ridge strap	3-10d (3" x 0.128")	—
5	Rafter or roof truss to plate, toe nail	3-16d box nails (3 1/2" x 0.135") or 3-10d common nails (3" x 0.148")	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss <sup>d</sup>
6	Roof rafters to ridge, valley or hip rafters: toe nail face nail	4-16d (3 1/2" x 0.135") 3-16d (3 1/2" x 0.135")	—
Wall			
7	Built-up studs-face nail	10d (3" x 0.128")	24" o.c.
8	Abutting studs at intersecting wall corners, face nail	16d (3 1/2" x 0.135")	12" o.c.
9	Built-up header, two pieces with 1/2" spacer	16d (3 1/2" x 0.135")	16" o.c. along each edge
10	Continued header, two pieces	16d (3 1/2" x 0.135")	16" o.c. along each edge
11	Continuous header to stud, toe nail	4-8d (2 1/2" x 0.113")	—
12	Double studs, face nail	10d (3" x 0.128")	24" o.c.
13	Double top plates, face nail	10d (3" x 0.128")	24" o.c.
14	Double top plates, minimum 24-inch offset of end joints, face nail in lapped area	8-16d (3 1/2" x 0.135")	—
15	Sole plate to joist or blocking, face nail	16d (3 1/2" x 0.135")	16" o.c.
16	Sole plate to joist or blocking at braced wall panels	3-16d (3 1/2" x 0.135")	16" o.c.
17	Stud to sole plate, toe nail	3-8d (2 1/2" x 0.113") or 2-16d (3 1/2" x 0.135")	—
18	Top or sole plate to stud, end nail	2-16d (3 1/2" x 0.135")	—
19	Top plates, laps at corners and intersections, face nail	2-10d (3" x 0.128")	—
20	1" brace to each stud and plate, face nail	2-8d (2 1/2" x 0.113") 2 staples 1 1/2"	—
21	1" x 6" sheathing to each bearing, face nail	2-8d (2 1/2" x 0.113") 2 staples 1 1/2"	—
22	1" x 8" sheathing to each bearing, face nail	2-8d (2 1/2" x 0.113") 3 staples 1 1/2"	—
23	Wider than 1" x 8" sheathing to each bearing, face nail	3-8d (2 1/2" x 0.113") 4 staples 1 1/2"	—
Floor			
24	Joist to sill or girder, toe nail	3-8d (2 1/2" x 0.113")	—
25	Rim joist to top plate, toe nail (roof applications also)	8d (2 1/2" x 0.113")	6" o.c.
26	Rim joist or blocking to sill plate, toe nail	8d (2 1/2" x 0.113")	6" o.c.
27	1" x 6" subfloor or less to each joist, face nail	2-8d (2 1/2" x 0.113") 2 staples 1 1/4"	—
28	2" subfloor to joist or girder, blind and face nail	2-16d (3 1/2" x 0.135")	—
29	2" planks (plank & beam - floor & roof)	2-16d (3 1/2" x 0.135")	at each bearing
30	Built-up girders and beams, 2-inch lumber layers	10d (3" x 0.128")	Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
31	Ledger strip supporting joists or rafters	3-16d (3 1/2" x 0.135")	At each joist or rafter

(continued)

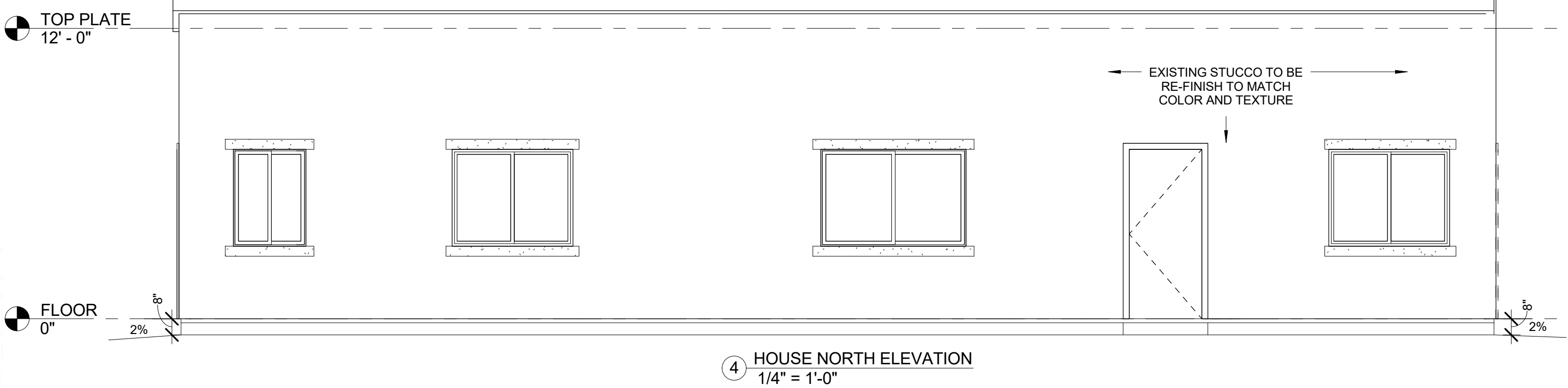


TABLE R602.3(1)—continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERS			
ITEM	DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENER <sup>a,c</sup>	SPACING OF FASTENERS
			Edges (inches) Intermediate supports <sup>a,c</sup> (inches)
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing			
32	3/4" - 1 1/2"	6d common (2" x 0.113") nail (subfloor, wall) <sup>f</sup> 8d common (2 1/2" x 0.131") nail (roof) <sup>f</sup>	6 12 <sup>g</sup>
33	1/2" - 1"	8d common nail (2 1/2" x 0.131")	6 12 <sup>g</sup>
34	1 1/8" - 1 3/4"	10d common (3" x 0.148") nail or 8d (2 1/2" x 0.131") deformed nail	6 12
Other wall sheathing <sup>h</sup>			
35	1/2" structural cellulose fiberboard sheathing	1 1/2" galvanized roofing nail, 7/16" crown or 1" crown staple 16 ga., 1 1/4" long	3 6
36	3/2" structural cellulose fiberboard sheathing	1 1/4" galvanized roofing nail, 7/16" crown or 1" crown staple 16 ga., 1 1/2" long	3 6
37	1/2" gypsum sheathing <sup>g</sup>	1 1/2" galvanized roofing nail; staple galvanized, 1 1/2" long; 1/4" screws, Type W or S	7 7
38	3/8" gypsum sheathing <sup>g</sup>	1 1/4" galvanized roofing nail; staple galvanized, 1 1/4" long; 1 1/4" screws, Type W or S	7 7
Wood structural panels, combination subfloor underlayment to framing			
39	3/4" and less	6d deformed (2" x 0.120") nail or 8d common (2 1/2" x 0.131") nail	6 12
40	7/8" - 1"	8d common (2 1/2" x 0.131") nail or 8d deformed (2 1/2" x 0.120") nail	6 12
41	1 1/8" - 1 1/2"	10d common (3" x 0.148") nail or 8d deformed (2 1/2" x 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.

a. All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.

b. Staples are 16 gage wire and have a minimum 7/16-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).

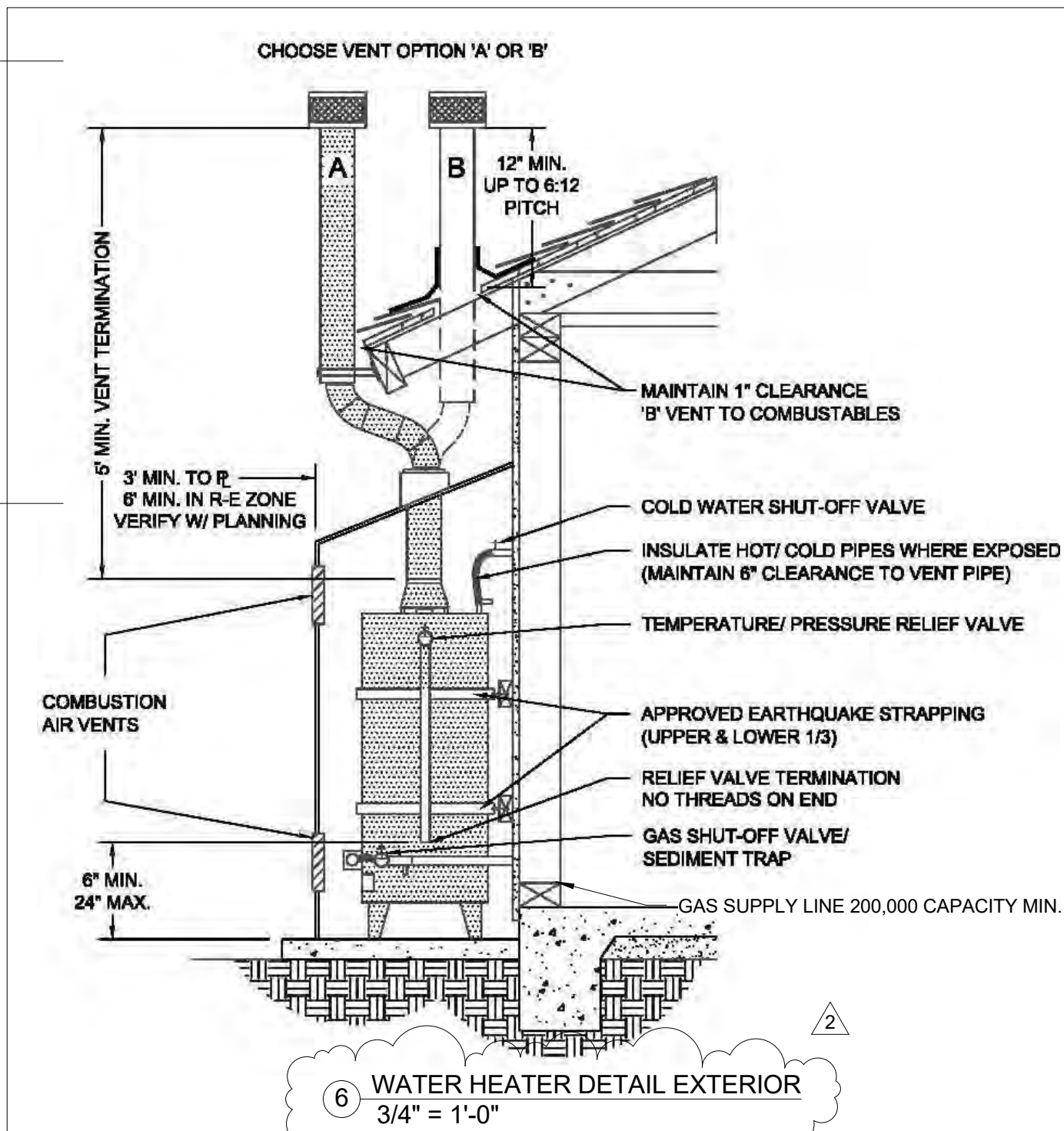
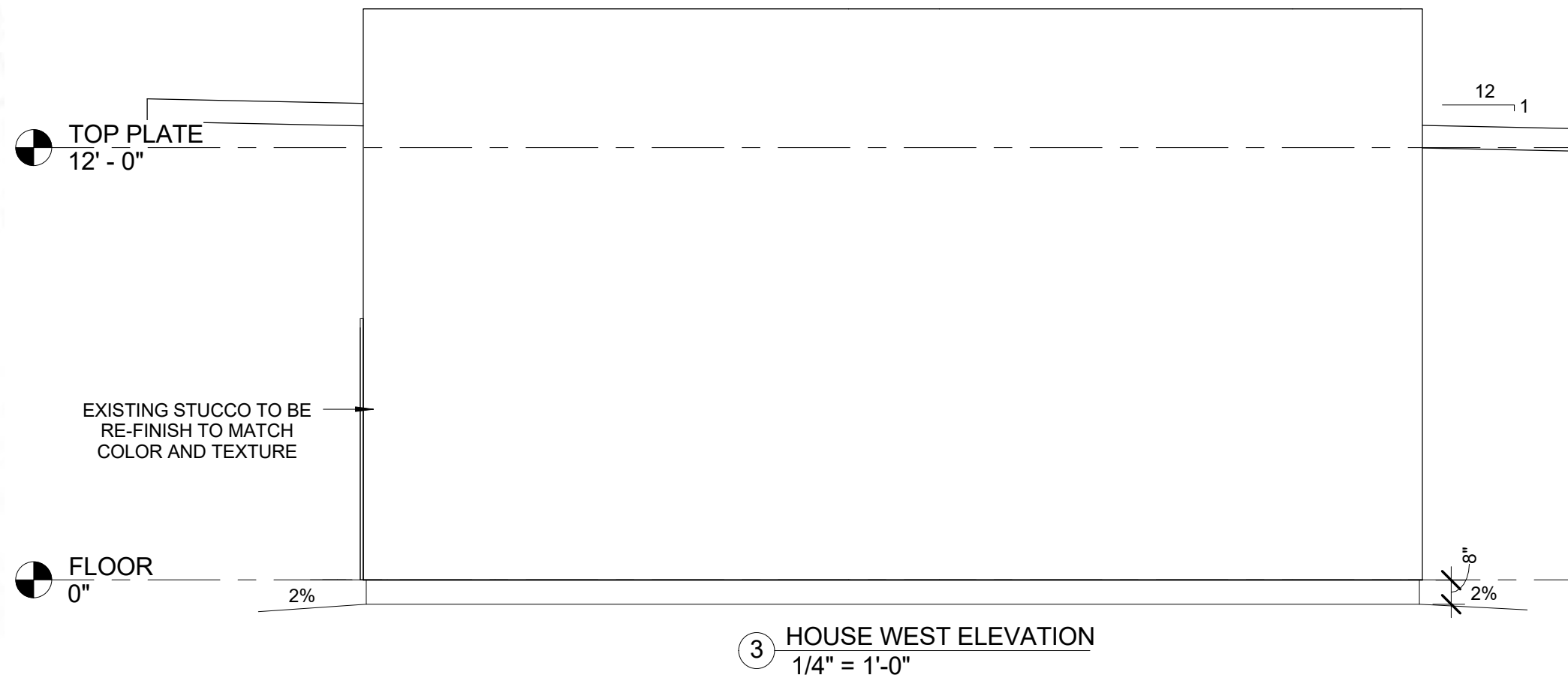
f. For regions having basic wind speed of 110 mph or greater, 8d deformed (2 1/2" x 0.120) nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within minimum 48-inch distance from gable end walls, if mean roof height is more than 25 feet, up to 35 feet maximum.

g. For regions having basic wind speed of 100 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. When basic wind speed is greater than 100 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.

h. Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.

i. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.

j. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.



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No.	Description	Date

**HALL CONVERSION TO NEW HOUSE**  
DVARGAS CONSTRUCTION  
4192 Park Ave. - BUILDING 2  
Riverside, CA 92507

**EXISTING FLOOR & ELEVATIONS PLAN**

Project num**CHURCH REMODEL**  
Date **12-21-2016**  
Drawn by **Author**  
Checked by **Checker**

**A-2**  
Scale **As indicated**





**Southern view of the site from corner of Park Avenue and the alley.**



**Eastern view of the existing classroom and dining hall building fronting Park Avenue.**



**Eastern view of the site fronting Park Avenue.**



**Southern view of the rear of the classroom and dining hall structure along the alley.**





**Southern view of the north elevation along the alley.**