NOTES AND DETAILS	DWELLING. This Building Inspector
ADMINISTRATIVE REQUIREMENTS. This section identifies items required by different Los Angeles County departments and other agencies for expedited permit processing of an existing since story garage/storage building conversion to an accessory dwelling unit (ADU) and/or construction of a junior accessory dwelling unit (JADU) in an existing section of a single dwelling reside tial unit with NO ADDITIONS. Items marked below shall be provided to the Los Angeles County Department of Public Works Building and Safety Division (BSD) District /Contract City Office Safety Division (BSD) District /Contract City Division (BSD) Div	en- MINIMUM DWEL
at the time of building plan submittal/resubmittal of the plans. Failure to submit or follow the required items during the plan submittal/resubmittal will lead to an automatic DENIAL of the permit ap cation and/or may cause significant delays and additional costs during inspections.	pli-
COUNTY DEPARMENTS (see also AGENCY REFERRAL sheet): Department of Regional Planning (DRP)	♦ Bathroom♦ Wall Bracing
 LINK: <u>https://planning.lacounty.gov/adu</u> <u>APPROVED</u> DRP architectural plans (site plan, floor plan, roof plan, and elevation views) shall be submitted to BSD with dimensions consistent with the field conditions. ALL APPROVED DRP PLANS SHALL BE SCALED AND DRAFTED PROFESSIONALLY AND NEATLY. 	Wall & AtticHeating and
 ALL APPROVED DRP PLANS SHALL BE SCALED AND DRAFTED PROFESSIONALLY AND NEATLY. Site plans are typically 1/8"= 1' for and 1/4" = 1' for others laid out on a minimum 24-inch x 36-inch format. Setbacks, heights, and building corner points established on the approved DRP plans shall match field conditions. 	♦ Fire Rated V
 Violation and building corrections established on the approved DrVi plans shall match held conditions. Violation and building corrections and building corrections and building corrections. Violation and building corrections and building corrections and building corrections. Openings on walls, or eave/projections, are not allowed less than 2 feet from the property lines. 	EXISTING SING All MINIMUL Existing roc
Building and Safety Division Drainage and Grading (D&G)	 ♦ <u>New</u> partitio ♦ Connection
LINK: https://dpw.lacounty.gov/bsd/content/publications.aspx by Low Impact Development – Increase in impervious surface of greater than 50% to the existing condition shall require approval from D&G	 Retrofit of ex Reinforcement
 Grading – Any excavation or fill exceeding exemptions outlined in Section J103.2 of the LACBC will require a grading permit from BSD Grading and Drainage Section Best Management Practices (BMPs) – Form shall be signed by the owner, submitted during plan submittal/resubmittal, and implemented during construction work. 	 Installation of
 Properties in a Federally Designated Special Flood Hazard Area with proposed work within a Flood Zone A must meet requirements of the National Flood Insurance Program (NFIP), Title 4 Section 60.3 and Title 26, Sections 110.1 and 110.2 of the LACBC. Any alteration of the natural drainage pattern will require approval from BSD Drainage & Grading Section and a drainage release covenant. 	 44, ♦ For <u>Attache</u> Transmissio
Environmental Program Division (EPD) LINK: https://ladpw.org/epd/CD/background.cfm	 ♦ For Lower A ♦ For ALL Att
 <u>Construction and Demolition Form (CND form)</u> – EPD signed forms shall be provided to the district/contract city office prior to permit issuance. 	EXISTING SECT ◇ AII MINIMU
Land Development Division (LDD) LINK: <u>https://dpw.lacounty.gov/ldd/web/</u>	 Must be created Existing root
 Landscape – Landscape work greater than 500 square feet requires approval from LDD. Approved stamped plan or letter shall be submitted during plan submittal/resubmittal. Right-of-Way – Work outside of the property lines require approval from LDD Approved stamped plan or letter shall be submitted during plan submittal/resubmittal, unless noted by the County Building Official/Inspector otherwise. Site plan shall include curb drainage contractions of the property lines require approval from LDD 	 ♦ <u>New</u> partitio ♦ Patrofit of over
nections or driveway repairs.	 Reinforceme Installation c
Fire Department LINK: https://fire.lacounty.gov/ Fire Sprinklers Approved Plans Price Sprinklers Approved Plans Required for existing dwelling with fire sprinklers. Approved stamped plan shall be provided during plan submittal/resubmittal, unless noted by the Cou 	 ◊ Installation c ◊ Each dwellir
Building Official/Inspector otherwise.	 No fire sepa ♦ Junior ADU
 Form 195/6 Fire Flow Availability Letter – A signed FORM 195/6 shall be provided during plan submittal/resubmittal satisfying the following items listed below. 1250 GPM at 20 psi for 1 HR for fire hazard zone 	ARCHITECTURA the job site at all
 1000 GPM at 20 psi for 1 HR for non-sprinklered 500 GPM at 20 PSI for ½ HR for sprinklered 	Any discrepancie of the Certificate
 Less than 3600 square feet area for ADU plus any attached structure Less than 450 feet from a fire hydrant Less than 150 feet from vehicular access for non-sprinklered 	Numbers in the p chanical Code (I Minimum Design
◆ Less than 300 feet from vehicular access for sprinklered	♦ Site Plan R
Survey and Mapping and Property Division (SMP)	♦ Sco ♦ Pro
LINK: <u>https://experience.arcgis.com/experience/3f66098833044147ac0b672df5c4b69a/</u> New Address - required for a new ADU with new electrical service meter, or separate driveway /street access from the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter shall be provided during a submitter of the main house. SMP approved new address letter of the main house. SMP approved	ologian ologi
 plan submittal/resubmittal, unless noted by the County Building Office/Inspector otherwise. This requirement does not apply to JADU. JADUs do not require separate addresses because they are not considered separate from the primary dwelling. 	♦ Bui ♦ Dis
OTHER AGENCIES: County Sanitation District	♦ Fro ♦ Exi
LINK: <u>https://www.lacsd.org</u> Sanitation Fee Receipt - required for new sewer connections and <u>shall be provided during plan submittal/resubmittal.</u>	♦ Util♦ Ado
Local School District ◊ School District Fee Receipt - required for projects exceeding 500 sq. of new construction and shall be provided during plan submittal/resubmittal.	 ♦ Nai ♦ App
Local Water Purveyor ◊ WILL SERVE letter from the local water purveyor servicing the new ADU/JADU is required and shall be provided during plan submittal/resubmittal.	♦ Dra ♦ Lov
	⊘ Spe
Los Angeles County Assessor's Office LINK: <u>https://assessor.lacounty.gov/</u> ◊ A copy of the County Assessor Records shall be provided during plan submittal/resubmittal.	
 A copy of the County Assessor Records shall be provided during plan submittal/resubmittal. Approved DRP site plan must differentiate "EXISTING" and "PROPOSED" items or "TO-BE-DEMOLISHED" structures. 	
TITLE 24 (T-24) CALIFORNIA ENERGY CODE CALCULATIONS ◊ Certified and signed T-24 calculations shall be provided to the District/Contract City Office during plan submittal/resubmittal.	♦ Setbacks. A
 Selected structural items shall have cavities suitable for the proposed insulation with a minimum 1-inch air gap for ceilings Reflective radiant barrier shall be shown on the roof if proposed in the T-24 calculations 	tached equiן ment and bu clearance fo
 Heating system, ducting, water heater plumbing installation specified and followed in the field IAQ (Indoor Air Quality) and QII (Quality Insulation Inspection) HERS list for verifying IAQ Fans and Ventilation must be specified 	♦ Drainage (1
 Solar panels are not required for existing single-story garage conversion to ADU, or JADU's Existing conditions found during pre-construction meeting with the County Building Inspector that do not match with the submitted T-24 calculations will require revisions and re-approval fre- the District/Contract City Office 	om ly slopes tov or similar div
ADDITIONAL REQUIREMENTS	(s) as requir
Stamped Architectural and Structural Plans by a <u>Registered</u> Architect/Engineer	Low Impact County ordir
 Structural Calculations and/or Re-Assessment Report of a Registered Architect/Engineer due to the following reasons: ADU that is NOT an Existing Single-Story Garage/Storage Building JADU that is NOT an Existing Section of a Single-Family Dwelling 	Grading (Appendix grading appendix gr
 ADU exceeds 1200 square feet (SF) JADU exceeds 500 square feet (SF) 	Best Manag
 Property slope is equal or exceeding 1:3 (Horizontal: Vertical) and/or ADU is a basement conversion Soil Report is required and shall be evaluated by Geotechnical & Materials Engineering Division (GMED) 	eliminate the area drains,
 Landslide, seismic zone, or earthquake liquefaction Basement conversion 	Fuels, oils, s protected fro washed into
 Unpermitted construction within the building Complete demolition of existing dwelling and/or reconstruction 	tion of rainw ments from soils or denu
 Drainage/Grading, or Shoring, is required New Two-Story Construction 	Oemolition.
 No approval for trimming, or cutting, 30-inches around an existing Oak Trees ASCE 7-16 Horizontal & Vertical Irregularity per Table 12.3-1 and Table 12.3-2 Manufacture d/Engineered theme (i.e., three extension and the installed) 	form must be agent, shall agencies to
 Manufactured/Engineered Items (i.e., truss, strong walls, etc.) are to be installed New roof other than standard wood prescriptive gable roof design is to be installed New roofing material exceeds 6 psf (i.e., tiles) 	without an e
 New roofing material exceeds 6 psf (i.e., tiles) New Seismic Bracing <u>NOT</u> following Section 602 of Residential, or Chapter 23 Light Wood Frame Construction of Building Code Pending or Potential Damage to the existing structure (i.e., engineered foundation required, etc.) 	Fire Rated N allowed. The <u>3 to 5 feet</u> , 0
 Pending or Potential Damage to the existing structure (i.e., engineered foundation required, etc.) New lateral demand exceeds 10% of the existing per Existing Building Code (i.e., new building footprint exceeds existing 10% of existing) New gravity load exceeds 5% of the existing per Existing Building Code (i.e., new roof load exceeds 5% of existing) 	typically no wall protection
Others:	Fire Access grade (% slope
PRE-CONSTRUCTION MEETING WITH COUNTY BUILDING INSPECTOR WITH THE APPROVED CONSTRUCTION PLANS SCHEDULED ON:	on the site p
expedited permit processing. By attaching these sheets with the approved DRP plans as part of the construction documents, THE OWNER, OR OWNER'S AGENT, IS REQUIRED TO PROVI SIGNATURE AND CONTACT INFORMATION AT THE TIME OF PLAN SUBMITTAL/RESUBMITTAL TO CERTIFY AGREEMENT TO THESE STATEMENTS.	
1. The owner, or owner's agent, shall comply with all notes and details on this standard sheet. A copy of these standard notes and details sheets shall be printed and attached with the approv	ved Ele
DRP plans and available at the job site, along with other departmental/agency stamped approved plans, and agency referral sheets at all inspections. Issued permit cards, stamped approv DRP and BSD plans, special inspection/engineering reports shall be available for the County Building Inspector during inspections, including ICC Evaluation Reports and other manufactu technical sheets highlighted with installation instructions and specifications.	irer • Wa • HV
 The owner, or owner's agent, acknowledges and shall perform the necessary upgrades to the existing foundation and structural elements if found to have extensive damage and not meet minimum County building code and standards. It is the owner's, or owner's agent's, responsibility to schedule, or reschedule, additional inspection services, if necessary, to complete the proje The owner, or owner's agent, shall provide access to all inspection areas listed under the scope of the permit. A project representative over the age of 18 shall be on site, or a written notice w 	ing ect. ◊ Sewer. ADU
Permission to Enter from the owner, shall be posted on the building next to unattended unoccupied structure during inspections. Safe access to the site and/or safe route to the inspection are equipped with secured OSHA approved ladders or other tools, must be provided. Unsafe and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and/or hazardous conditions encountered during inspections services may lead to cancelations or site and or hazardous conditions encountered during inspections services may lead to cancelations or site and or hazardous conditions encountered during inspections services may lead to cancelations or site and or hazardous conditions encountered during inspections services may lead to cancelations or site and or hazardous conditions encountered during inspections encountered during inspections encountered during inspections encountered during encoun	ea, he installed
 work order issuance. The owner, or owner's agent, understands that any items deviating from these standard sheets may require additional submittal to move forward with the project. The County Building Inspect (s) and/or Official(s) reserve the right to: 1) modify this standard detail sheet; 2) provide corrections during permit processing and/or inspections; and 3) request for additional plans, revision 	straps with a
 and/or information from state registered architects/engineers to meet minimum municipal building code requirements. It is the owner's, or owner's agent's, responsibility to obtain such service at his/her/their own expense, time, and arrangement to continue and/or complete the project. The owner, or owner's agent, agrees to pay the Los Angeles County Building and Safety Division permitting, extension, inspection, and/or Certificate of Occupancy fees as necessary for proj 	ADUs locate
5. The owner, or owner's agent, agrees to pay the Los Angeles County Building and Safety Division permitting, extension, inspection, and/or Certificate of Occupancy fees as necessary for proj completion. Any perjury done by the owner, or on the owner's behalf, may lead to issuance of a work stop order, or revocation of the issued permit(s), at the directive of the County Building spector(s) and/or Official(s) overseeing this project.	In- Drainage pip
"I certify agreement to all the statements above and shall fully comply with the requirements of these standard notes and details. I am aware that submitting false and/or inaccurate information, and or failing to comply with the current building code requirements on this project may result in stop work order, additional permitting fees, plans, and information, construction delays, and/or revocat	nd/ ing shall be ter valve. It
of the issued permits."	that the back er connectio -inch outside
Owner, or Owner's Agent, Signature: Printed Name:	♦ Water. Prop
Date: Phone Number/Email:	with the wat vice entranc pipe shall be
Project Site Address:	♦ Electric . Th
Project Site Address:	ture as appli

Buildings with more than one multi-wire branch circuit (i.e., more than 2 branch circuits) require a complete grounding electrode system. A complete grounding electrode system shall include a connection to a metallic water pipe electrode (within 5 feet of the pipe entrance into that building) supplemented by at least one additional electrode type. If the supplemental electrode is a section specifies the minimum dwelling requirements that must be indicated on the construction plans for the proposed ADU/JADU. The items below shall be shown to the County ground rod, then there should be two ground rods spaced at least 6 feet apart. A grounding electrode system may need to be installed at the building with the electrical service and at a deor at the time of the preconstruction meeting. tached structure with a subpanel. LING REQUIREMENTS For a detached structure, a readily accessible disconnecting means is required outside of the building or at the point nearest where the feeders enter the building. r with a minimum 32-inch net clear opening with 36-inch wide clear landing Overhead service entrance conductors supplying the main service panel shall be sized per Section 310.12. This section may also be used to size the feeders to a detached structure's subpanel for low(s) for bedroom(s) with minimum 5.7 square feet net clear opening, 20-inch wide x 22-inch height an ADU or primary dwelling Main service panels shall be rated appropriately for the environment where they are installed. Outdoor panelboards shall be rated for wet locations with Anchors and/or Hold downs The minimum rating for the main circuit breaker shall be 100A for the main house and 100A for a detached ADU. Insulations per Title 24 Energy Calculations Circuit breakers, and thus the panels housing those circuits breakers, cannot be in clothes closets or bathrooms. l other Mechanical/Electrical/Plumbing devices Valls & Projections (as required) Gas (ME 311.4). The owner, or owner's agent is required to the arrange with the local gas company to establish any new point of service for the new ADU/JADU. No gas lines may be instal under any structures. All underground gas lines must be listed for direct burial-Metallic such as Epoxy Coated (green) pipe or HDPE (Yellow High Density Polyethylene). Plastic piping mu LE-STORY GARAGE/STORAGE BUILDING CONVERSION TO ADU (MAXIMUM 1200 SF) have #18 14-gauge tracer wire suitable for direct burial extending 18" inches above grade at each one end at a building wall or riser. All gas lines in earth must be buried no less than 12" unless damage from external forces is likely than 18" inches below grade and have ball type shut off valves at each point of connection, all unions, fittings, and joints must be protected from corrosion M DWELLING REQUIREMENTS, AND with approved materials. At a minimum, a heating device shall be installed for each new dwelling unit. A single heating unit cannot be used for an existing single-family dwelling and attached of, floor, walls and/or concrete foundation ADU/JADU and each dwelling shall be controlled by an individual thermostatic control. Gas lines shall have shut off at the point of connection at the supply and the point of entrance to the n wall(s), and /or concrete foundation (see DETAIL 2, or provide similar) of existing to new foundation xisting floor slab, or continuous footing (see DETAIL 6 & 7) Very High Fire Severity Zone (705A.2 & 4; 706A.2; 707A.3; 708A.2.1&3; R337.5.2-4,6.2, 7.3, 8.2.1, & 8.3). Existing buildings located in Fire Hazard Severity Zone shall conform to Chapter 7 LACBC requirements and local ordinances of the Los Angeles County Fire Department. Roof covering shall be of Class A roofing materials. The space between the roof covering and roof deckent of existing roof members or diaphragms damaged, lacking shear transfer, or not meeting prescriptive approach ing shall be constructed to prevent the intrusion of flames and embers, fire stopped with approved materials, or provided with one layer of 72-pound mineral-surfaced non-perforated cap shee of new ceiling joists, and/or beam(s) (see DETAIL 1) meeting ASTM D3909. Wood-shingle and wood-shake roofs are prohibited, regardless of classification. Roof gutters shall be designed to prevent the accumulation of leaves and debris. Vent of new wall bracing with anchors and hold downs for shear transfer openings for enclosed attics, enclosed eave soffit spaces, and enclosed rafter spaces shall resist building ignition from the intrusion of embers and flame through the vent openings. Exterior wall ed Garages, ADU demising wall(s) separating it from the primary dwelling unit shall have 1-Hour Fire Rated wall from floor slab to the underside of the roof sheathing with Sound covering, or wall assembly, shall be of noncombustible construction, ignition resistant, heavy timber, or made of fire-retardant wood. Door shall be solid core having stiles and rails not less than 1-3/8-in. thick with interior panel thickness not less than 1-1/4-in. thick, or minimum 20-minute fire rated. Exterior window shall have a minimum 20-minuted fire rated glazing or tempered. Coefficient (STC) 50 Attached Garages in 2-Story Residences, ADU ceiling and wall(s) separating it from the primary dwelling unit shall have 1-Hour Fire Rated wall with STC 50 Floor Plan (106.4.3,1207 R302.3, R304.1-2, MC 5044.4.2, MC 304.4, MC 920, ECM 82.8, EC 210.12). All ached ADU floor plans, each dwelling unit shall have their own separate kitchen and primary entrances habitable rooms shall have a minimum 70 square feet with no less than 7 feet horizontal dimension, except for kitchens. A legend box shall be provided to differentiate symbols utilized on the plans. Forced Air Unit FION OF A SINGLE-FAMILY DWELLING CONVERSION TO JADU (MAXIMUM 500 SF) (F.A.U), Water Heater, Heating/Ventilation/Air Condenser (HVAC), electrical panel/subpanel with amper-IM DWELLING REQUIREMENTS, AND age, 22-inch x 30-inch attic access location /dimension /pathway to equipment, smoke detectors, carbon eated in an EXISTING section of a dwelling monoxide, clothes drver exhaust dimension, kitchen hood exhaust, ground fault circuit interrupter (GFCI). arc fault circuit interrupter (AFCI), windows sizes and location, and door widths and door landings shall be of, floor, walls, and concrete foundation shown on the plan. Walls separating dwelling unit shall not be less than one-hour fire rated for nonn wall(s) connected to existing roof and floor sprinklered, or ½ fire rate for sprinklered buildings with sound transmission rating of 50 or more, except for xisting floor slab, floor joists, and/or continuous footing (see DETAIL 6 & 7) **JADU**. A window and doors schedule with the image as shown below as shall be re-printed on the plans. ent of existing roof rafters, ceilings joists, walls, or floor joists damaged, lacking shear transfer, or not meeting prescriptive approach Existing (E) and New (N) windows/doors shall be clearly specified on the plan and verified-in-the-field by SINGLE CASEMENT: 2-4 X 4-0. of new ceiling/floor joists the County Building Inspector to meet minimum egress requirements. 2-6X3-6 DOUBLE CASEMENT: 4-8 X 4-0 of new wall seismic bracing with anchors and hold downs SINGLE/ DOUBLE HUNG CASEMENT/ FIXED COMBO: 7-0 X 4-0 Egress Door and Landing (R311.2, R311.1-3) – At least one side-hinged egress door with not less than 3-3-0 X 5-0, 3-0 X 5-6 ,3-4 X 5-0, ng unit shall have their own separate kitchen and primary entrances OTHER WINDOW TYPES: SLIDER/ FIXED COMBO: ft wide and 6-ft 6-in in height, with a minimum clear width of 32-inches, with a 36-in clear landing. Egress 3-8 X 5-0, 4-0 X 5-0 ration is required between a JADU and a primary dwelling AWNING & BAY W/ FIXED CENTER: door readily open from inside without the use of a key or special or effort. Threshold shall be less than 1.5-SINGLE/ FIXED COMBO: NONE W/O NONE WID MANUF, DATA 10.0 X 4.0 can share the same restroom as the primary dwelling unit MANUF, DATA inch when it swings out and less than 7.75-inch when it swings inside. 12-0 X 3-0 AL NOTES. This section specifies the minimum architectural and structural requirements. The following notes and items below shall be on the construction plans and available at Egress Window (R310.2, R310.2.2, R312.2) – Bedrooms are required to have egress window(s) with a NOTE: SIZES ARE TAKEN FROM DATA SUPPLIED BY times. It is incumbent upon the owner, or owner's agent, to clearly identify inconsistencies, irregularities, and existing conditions prior to permit issuance and starting construction. minimum 24-inch height and 20-inch clear width or net clear opening areas of not less than 5.7 SF. Bottom WINDOW MANUFACTURERS. HOWEVER, THESE ARE es found by the County Building Inspector between the approved plans, standard sheets, and actual field conditions will cause delays to permit processing, inspections, and issuance clear height less than 44-inch measured from the floor. Sill or header heights of openable windows speci-GENERAL DIMENSIONS AND MUST BE VERIFIED WITH of Occupancy. fied on the ELEVATION PLANS. ACTUAL WINDOWS INSTALLED TO MEET MINIMUM EGRESS REQUIREMENTS. parenthesis () refer to sections of the 2023 edition of County of Los Angeles Building Code, Existing Building Code (E), Residential Code (R), Table (T), Plumbing Code (PC), Me-Glazing (R308.4). Aggregate glazing must have minimum 8% of floor area or artificial light(s) provided. MC), Electrical Code (EC), Building Code Manual (BCM), 2018 National Design Specifications (NDS), 2018 Special Design Provisions for Wind and Seismic (SDPWS), and 2016 Glazing are required for windows or door side lites within 40" of the locking device of the door, operable panels of swinging, sliding, or bifold doors, fixed or operable glass panels exposed less a Loads for Buildings and Other Structures including Supplement No. 1 (ASCE7). than 60-inches above the walking surface, within 24-inches of either side of the door in the plane of the door in a closed position, on a wall perpendicular to the plane of the door in a closed position and within 24-inches of the hinge side of an in-swinging door, and/or walls, or enclosures, containing showers, bathtubs, etc. less than 60-inch from water surface. equirements (106.4.3). The following items must be indicated on the Site Plan located at the title page of the approved Department of Regional Planning plans: ope of Work Ventilation (R303.1, R303.2). Ventilation must be minimum 4% of the floor area, or a Whole House ventilation system will be installed (see T-24). Existing will be verified by the building inspec operty Line/Easements to the new ADU/ JADU tor and owner agrees to revise/correct existing ventilation system to meet minimum Title-24 Energy Requirements. orth Bearing and/or Directions ilding Lot Dimensions Bathrooms (R303.3 EX, R303.3.1, PC 402.5,408.3, PC 408.3) - Bathrooms or water closets shall have 3 square feet openable glazing area, or 50 CFM intermittent or 20 CFM continuous mechanical ventilation. Bathrooms with bathtub, or shower, must be ventilated for humidity control. A minimum 30-in x 24-in clearance in front of water closet. The net shower area minimum of ilding Dimensions (Length, Width, and Height) 1024 square feet with 30-inch diameter circle. All showers and tub-showers shall have a pressure balance, thermostatic mixing valve, or a combination pressure balance/thermostatic mixing stance to Existing Structure(s) and Property Lines ont Vehicular Street Access Name isting, or Unpermitted, or To Be Demolished, and/or Proposed Structures Smoke Detectors (R314). Smoke detectors shall be installed at bedroom(s), within vicinity of bedroom(s), every level of the dwelling, and not less than 3 ft. from bathroom/shower. They shall be interconnected hard-wired battery backup and shall be installed in accordance with NFPA 72. For attached ADUs or JADUs, there should be one alarm at each dwelling partition wall. ility Lines for Existing Connection Points or New Service Lines dress of the Building and/or New Building Carbon Monoxide (R315). Carbon monoxide alarms shall be installed within vicinity of bedroom(s), every level of the dwelling, and near fuel-burning appliance in bedroom or bathroom. Th ame and Address of the Owner shall be interconnected hard-wired with battery backup. For attached ADUs or JADUs, there should be one alarm at each dwelling partition wall. plicable Codes & Standards ainage Slope(s)/Grading Volume Table Above Ground Access (R303.7.R311.5-8, R312.1-3). ADU/JADU constructed more than 30-in above the ground level with 36-inch horizontally open side shall require guardrails. The guard Impact Development Table (see below) height shall be a minimum of 42-inch with openings no greater than 4-inches in diameter. Stairs necessary for separate egress access shall have a minimum width of 36-inch, maximum rise of 7.75-inch, minimum run of 10-inch with a maximum 3/8 variance, and tread depth of less 11-inch nosing are required. A minimum of one continuous handrail (Type I or Type II) on stairways with ecifv if: riser of 4 or more shall be provided with height between 34 – 38 inches and openings less than 4 3/8" in diameter. All stairways shall have an illumination level on tread runs of not less than 1 Within Very High Fire Severity Zone; foot-candle (11 lux). Connections of guardrails or handrails shall be adequate to support concentrated load of 200 pounds applied in any direction or any point along the top. With New or No Fire Sprinklers; Utility Lines in the Way of Construction; Attic Vents (R806.1, R806.2). The net free ventilating areas shall not be less than 1/150 of the attic space or 1/300 above and below the attic space. Openings shall have corrosion-resistant Oak Trees adjacent to Construction; wire mesh or other approved material with 1/16-in. minimum and 1/4-in. maximum opening. A minimum of 1-in. airspace shall be provided between insulation and roof sheathing. Hillside area or with 1(H): 3(V) Slope, or Flood or FEMA zone AFCI (CEC 210.12). AFCI protection is required for any new branch circuits rated 120-volt, 15- or 20-amperes installed in dwelling unit kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas, and similar rooms/areas. Branch circuits in these areas that Approved property line setbacks on the Department of Reginal Planning (DRP) site plans shall be verified for field compliance prior to start of construction. Underground utilities, deare modified, replaced, or extended more than six feet shall have AFCI protection. Branch circuits in these areas where additional outlets or devices are added shall have ment (i.e., electrical, a/c compressor, water heater, solar etc.), or other accessory equipment may be within 2 ½ feet (30 inches) of the property line as approved by DRP. Equip-AFCI protection ilding heights shall also adhere to DRP approved elevations. No architectural feature or auxiliary equipment shall obstruct any equipment clearances, setback, or the required 3-foot any emergency egress system, or path to the dwelling. GFCI (CEC 210.8(A)). GFCI protection is required for all new receptacles rated 125-250 volt, installed in bathrooms, garages, accessory buildings that have a floor located below grade level not intended as habitable space, outdoors, crawl spaces (at or below grade level), basements, countertop surfaces in kitchens, within 6 feet of a sink, 106.4.3). Existing and proposed contours/spot elevations indicating the general site slope and drainage pattern shall be indicated on the site plan and verified by the owner, or owr boathouses, within 6 feet of a bathtub or shower stall, and laundry areas. n the field. The plan shall indicate a minimum 1% unobstructed slope towards the street and away from the ADU/JADU primary entrance. If the driveway, or existing ground, naturalwards the ADU/JADU primary entrance and/or at the back of the property, the owner is required to install a sump pump, a trenched perforated drain with gravel pack, a catch basin version item(s) to prevent back flow towards the ADU/JADU. The owner is responsible to provide these additional item(s) at his own expense and re-schedule additional inspection Roof Plan (R9021, R905). Additional roof gravity load on existing structure shall not exceed 5% of existing conditions. Roofs shall have a minimum 1/4: 12 slope (2%) for drainage. An apred for completion proved 3rd party listing specific to the roofing product shall be installed. During inspection, the product technical sheet shall be available on site to verify compliance to the requirements per the table below. In addition, the roof architectural plan shall have the following items: Development (LID) (Appendix J). Development exceeding 50% of existing impervious surface will require approval from BSD Drainage and Grading Section as part of the local Roof slope(s) Manufacturer and Type of Built-up Roof(s) (if applicable) Type/manufacturer and ICC/UL number of shingle/tile roof ppendix J). Any excavation or fill exceeding exemptions in J103.2 (except for foundation, basement, or retaining walls) requires a grading permit. The owner is required to obtain a Cool roof with Cool Roof Rating Council (CRRC)* listing as indicated in the table below and Solar Reflectance Index (SRI) value used for 3-year solar reflectance and thermal emittance roval prior to release of the building permit. Grading work includes site wall installation and initial grading certifications, which must be finalized prior to building permit release. All gement Practices devices for erosion, sediment, or dust control (i.e., silt fences, straw bales, sandbags, etc.). must be installed prior to start of any grading work. gement Practices (BMPs). Stormwater quality protection measures for all development projects shall be always implemented at the job site. Every effort should be made to always discharge of non-stormwater from the project site. Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheet flow, swales, 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 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 om the weather. Spills must be cleaned up immediately and disposed in a proper manner. Spills may not be washed into the drainage system. Excess or waste concrete may not be the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed into a covered receptacle to prevent contaminavater 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 to inhibit sedi-Note that roof repairs and roof replacement when the roof area is equal or less than 50% of existing are <u>exempt.</u> being deposited into the public right-of-way. Accidental deposition must be swept up immediately and may not be washed down by rain or other means. Any slopes with disturbed Roof covering with Class C or better uded of vegetation must be stabilized to inhibit erosion by wind and water. Solar Panel location (if any) Attic Vent Types and Location . South Coast Air Quality Management District (SCAQMD) demolition notification and Los Angeles County Environmental Programs Division Construction & Demolition Debris (CND) Fire Rated Projection, or Eaves provided prior to any demolition work exceeding 400 square feet. Demolished materials and waste must be disposed in approved Los Angeles County locations. Owner, or owner's keep all demolition and waste materials on site in approved containers and/or stockpiles with appropriate covers. All material disposal receipts must be maintained from approved Roof drainage, deck drains, or rain barrel outlets/locations quantify the materials disposed for final approval. Note that work, equipment, dumpsters, portable toilets, and material staging shall NOT be stored at, or within, public right-of-way ncroachment permit from LDD. Exterior Elevations Views (R305.1) - A minimum of two elevation views on each orthogonal direction shall be provided on the DRP approved plans. Windows and door locations and dimen sions shall be consistent with the floor plans provided. Top floor and finish floor elevations shall be labeled on each elevation views. Ceiling height shall not be less than 7 feet. Door heights not Walls (R302.1, T-R302.1(1) & (2)). For non-sprinklered buildings with distances to adjacent structures less than 3 feet, no wall opening, eave or projection, or foundation vents are less than 6 feet and 6-inches and windowsill height shall not be greater than 44-inches. Areas under stairways shall have a minimum 6 feet and 8-inches headroom. wall must be a minimum 1- HR Fire rated wall, typically no less than 5/8-inch Type X Gypsum Board. For non-sprinklered buildings with distances to adjacent structures between OR sprinklered buildings with distances to adjacent structures not exceeding 3 feet, 25% wall opening is allowed but the eaves, or projections, and wall must be 1 HR Fire Rated, Existing Single-Story Garage/Storage Building to Accessory Dwelling Unit/JADU Framing and Foundation (106.4.3, R301.2, R317.1, R403, R502, R602.11.1, R703.7.2.1, RCM 401.4 less than 5/8" Type X Gypsum Board. ADU/JADU's distances to adjacent structure that exceeds 5 feet for non-sprinklered, or 3 feet for sprinklered, does not require eave or fire Art 1, R802, R803, 2305.5,2308.6, Chapter 16). Existing structural elements shall be clearly verified by the County inspector, owner, and/or owner's agent prior to start of work. A preconstruction meeting with the County Building Inspector is required to be scheduled and attended by the owner, or owner' agent, upon receiving the expedited permit. The means and methods of construction are solely the responsibility of the owner, or owner's agent. Standard notes and details are provided herein. By using these sheets, the owner's, or owner's agent, fully under-. A minimum of 5-foot-wide access with grade less than 15% adjacent to a minimum 20-foot-wide vehicular access shall be provided. The street vehicular access distance (ft) and stands that it is their responsibility to provide the County Inspector with a more precise and specific repair/retrofit/upgrade detail customized and/or applicable to his/her/their project as required for project completion. lope) to the remotest portion of the ADU/JADU must be specified on the site plan. If applicable adjacent to the project site, the distance to the nearest fire hydrant (ft) must be placed The pre-construction meeting verification of the existing structural conditions shall include: 1) determining the existing span and condition of roof framing members; 2) determining existin ceiling assembly for new installation or structural reinforcement; 3) verifying ridges (ridge board/ridge beam) for additional strapping, repair, or enhancement; 4) identifying existing root ility connections for the ADU/JADU must be shown on the site plan. Existing utility lines shall be protected-in-place. The owner is required to contact the utility companies providing sheathing and/or material, wall stucco, or sill plate condition for replacement or repair; 5) determining existing concrete slab, or floor joists, condition for potential retrofit; 6) opening drywalls the new ADU/JADU. The following items must be shown on the site plan: to determine existing stud sizes, wall bracing, installation of required fire protection, or envelope insulations; 7) checking windows, doors, and/or attic spaces for egress, ventilation, glazing, ewer Line/Connection Point Distance & Slope and headroom requirements; 8) exposing a section of the foundation to verify existing footing depth for additional anchoring and bracing; and 9) determine mechanical, electrical, and ectrical Panel Amperage & Location plumbing (M/E/P) connection points and/or condition of existing M/E/P installed items. s Meter Connection Point The pre-construction meeting shall clarify and provide a mutual understanding between the County Inspector and all parties involved on what existing conditions shall be repaired/replaced. aterline Connection Point For instance, existing unstable roof framing members, lacking shear transfer from foundation to roof, pending or potential structural collapse, or dilapidated or damaged roof diaphragm, AC/Condenser/Water Heater Location & Distance to Property Line Setbacks rafters, or ceiling joists shall be reinforced, or replaced per the Residential Code roofing span tables (see Detail 1). Some structures will require additional collar ties, strapping over the ridge at the exterior, shingle/roofing replacement, or installation of new beams or blocking. New exterior wall openings (doors and windows) shall have headers in compliance with the Residential Code (see Detail 4). Potential eave and roof attic ventilation locations shall be identified in the field. Unprotected openings (i.e., ventilation or annular spaces) on fire rated exterior walls are J/JADU sewage can be connected to the existing sewer system at a minimum of 24-inches outside the existing building foundation. It must be approximately 12-inches below grade than 2% to the final connection point. Cleanouts must be installed at intervals as required by the Plumbing Code with locations and size specified on the site plan. Cleanouts shall not allowed. Minimum 30-inch headroom is required for attic spaces and/or above stairs. Sill plates shall be minimum 8-inches off the natural ground are required for termite protection, or l for each pipe size and within ½" inch of the diameter pipe which the cleanout serves. Other items include vent location and size (combination venting must be calculated based on protection shall be installed (see Detail 7). Roof gutters or spouts, and/or a minimum 26-gage weep screed are required for roof drainage. Regional Planning approved architectural floor and fixtures); proper use of materials and fittings; under floor or under slab-ABS 12" below grade; underfloor strap with proper straps with rodent protection; or rodent protected plans shall specify the Existing (E) and New (N) windows and doors and shall be field verified to meet the minimum egress, ventilation, and glazing requirements. If not meeting these readequate pipe protection for dissimilar straps. Fasteners must be approved galvanized, zinc, hot dip, and no "Drywall Screws". A minimum 10-foot head water test is required during quirements, then upgrades shall be done for code compliance. Additional gravity loads exceeding 5% of the existing structure, or additional lateral demand exceeding 10% of the existing, d drain waste inspection shall require a registered engineer/architect. ed within an area where connection to existing public sewer system is unavailable shall be provided with its own separate septic system. For private septic\tanks, or seepage pit(s), a Existing unconditioned single-story garage/storage building (detached or attached) shall be converted into a conditioned floor area with installation of the necessary heating, ducting, and/or earance of 5 feet for the septic tank and 8 feet for the seepage pit is required. (PC Appendix H T-H1.7). Public Health approval for the new private sewage system shall be proinsulation per the Energy Code standard. The Title 24 prescriptive, or performance, calculations shall be submitted during the permit application and must entail the actual field work. Pro-District/Contract City Office prior to issuing permits. posed insulation in the T-24 calculations shall be suitable in the selected or existing lumber at the field site. Radiant barrier, cool roof, and/or HERS verification inspections shall be indicated on the submitted T-24 calculation set. Any deviations from the approved T-24 calculations will require the owner, or owner's agent, to get revised approval from their respective BSD District Office/Contract City.

ping serving plumbing fixture installed on an elevation that is below the elevation of the next upstream manhole cover of the public or private main sewer serving such drainage pipprotected from backflow of sewage by installing an approved type of water valves. Fixtures on floor levels above the next upstream manhole shall not discharge through the backwais the responsibility of the owner, or owner's agent, to determine whether the relative elevation of the floor with the plumbing fixtures and the sewer manhole at the jobsite are such kwater valve is, or is not, required. A **BACK-WATER VALVE FORM** must be completed prior to installing, or modifying, any sewer line and/or plumbing system with an existing sewon for any building, or accessory dwelling unit. Back-water valve is required anytime the sewer line cannot maintain adequate 2% fall from point of connection (12-inch under earth 24 e of ADU) to the sewer line connection to the trunkline down-stream (typically in front) of the main residence. (PC 710.1)

posed water service must be properly sized per the fixture count and planned for points of service connection. If a separate meter is requested, then the applicant must coordinate er company to pre-plan the waterline installation. Water service must be properly routed and installed 18" minimum below grade with valves at each point of connection, and/or serxe. Color-coded tracer with wire extending 18" inches above grade on each end is required for all non-metallic PVC/PEX/CPVC pipes. Riser and the first 10 feet of all water service e metallic copper or steel pipe for grounding electrode conductor.

e owner or owner's agent is required to arrange with the local electric utility company to determine an acceptable equipment location if a new service is requested. JADU units do not parate electrical meter as they are not considered separate dwelling units. Separate permits are required for each structure and shall use the corresponding address for each struc-



Table 4.106.6(1) Low Rise Residential							
Roof Slope	Minimum 3-Year Aged Solar Reflectance	Thermal Emit- tance	SRI				
≤ 2:12	0.65	0.85	78				
≥2:12	0.25	0.85	20				

Walls shall be braced with anchors and hold downs per Section 602 of Residential Building Code or Chapter 23 Light Wood Framing of Building Code (see Wood Provision Bracing Re quirements). A shear/brace wall schedule specifying construction details, nailing, allowable capacity, and hold down locations shall be provided to the County inspector at the time of construction, or shown, if existing. Typically, a 15/32 Structural 1 plywood with 8d common nail, minimum 1 3/8-inch penetration into the framing member or blocking and a 6-inch on center panel edge fastener capable of minimum allowable shear capacity of 280 pounds per foot is required for Wood Structural Panels. Each hold down (i.e., HDU2 or above) shall be capable of resisting a minimum 1800 pounds per foot of uplift.

The operable front entrance of an existing garage shall be converted to a permanent wall and a new foundation at this location shall be installed and anchored to the existing continuous footing around the perimeter of the garage. Connections of the new structural elements to the existing as shown per the attached details, or similar retrofit details from a registered professional, shall be provided to the County inspector at the time of construction. Existing foundation and concrete slab shall be verified-in-field by the owner, or owner's agent, at the time of the pre-construction meeting. If the existing continuous footing does not have the minimum depth (7 inches) with a minimum 3-inch clear cover to anchor the new hold downs (as required fo bracing) or even encountered to be nonexistent (depth at or less than 6-inches), then the foundation shall be retrofitted, underpinned, and/or a new concrete footing tied with cement grout, or epoxy, shall be installed. Extensive damage on the concrete slab shall be retrofitted with either a new concrete layer on top of the roughened existing surface, or additional vapor barrie The owner, or owner's agent, agrees to repair and/or upgrade structural elements not meeting the building code standards, posing life and safety hazards, or extensively deteriorated.



N1

Revised on: 03/20/23 By: J.E.

Vapor Barrier (1907.1 & R506.2.3). Approval of vapor retarder equivalent products for use on existing slabs are shown below. During construction, the existing slab must be shown to the build- Green Building Standards. The following items shall be implemented during construction. Building Inspection Checklist. This section is an inspection checklist based upon the most common construction sequences, methods of construction, and associated inspections. It is recoming inspector to have the minimum required thickness, and to be reasonably free of settlement or expansive soils cracks. A 2-inch sound existing slab may be used with a 2-inch concrete top-NOTE: Numbers in the parenthesis () refer to sections of the 2023 edition of the County of Los Angeles Green Building Standards Code, Table (T). mended that the owner, or owner's agent, read carefully through this prior to undertaking any work and/or scheduling inspections. ping. A 3-inch sound existing slab may be approved without a concrete topping by the District Office Manager. Products with an evaluation report based on the current code edition and evaluat-How to Schedule Inspections. Inspection requests shall be made on Epic LA, Epicla.lacounty.gov, or calling the local BSD District/Contract City Office. The requestor shall specify the date and Plumbing fixtures and fixture fittings on the plans shall comply with the following flow rates (4.303.1): ed to International Code Council (ICC) Evaluation Services (ES) Acceptance Criteria for Waterproofing Membranes for Flooring and Shower Lining (AC115) may be used. Examples of such time of the inspection service. BSD reserves the right to schedule the requested inspection based upon the staff availability. If the requested date is not available, then BSD will reschedule on the products are listed below. Additional products may be accepted by the Building Plan Checker if upon review of the evaluation report, the product was evaluated to ICC Acceptance Criteria for closest available date. Confirmation calls/emails/voicemail/or text on scheduled inspections will be sent to the requestor. Waterproofing Membranes for Flooring and Shower Lining (AC115). The application shall comply with the respective approved evaluation report and manufacturer's published installation in-♦ Water Closets – 1.28 GPF structions. When to Schedule Inspections. Inspections shall be scheduled for anticipated dates on which the stages of construction requiring periodic inspections are completed and ready. Inspection dates Urinals – 0.5 GPF for incomplete work will result in failed inspections. Multiple failed inspections will result in additional fees. If work is not ready on the day of scheduled inspection, then the inspection requestor shall Approved Products cancel at a minimum of 24-hours before the scheduled date and re-schedule at a more appropriate time frame. Bad weather conditions (i.e., wet/muddy conditions), unsafe work inspection areas Wall-mounted urinal – 0.125 GPF ICC ES Report No. 1413 - Red Gard Waterproofing and Crack Prevention Membrane, C-Cure Pro-Red Waterproofing Membrane 963, CBP 232 Waterproofing and Anti-Fracture Mem-(i.e., unprotected electrical live wire, missing OSHA certified equipment for access) or other force majeure (i.e., fire, earthquake, pandemic closures, or large civil unrest), leading to a hazardous brane, and Jamo Waterproofing Membrane. work environment for the County Inspector will result in cancelation Single showerhead – 1.8 GPM at 80psi ICC ES Report No. 2417 - LATICRETE Hydro Ban How to Prepare for Inspections. An adult over the age of 18 shall be at the site to receive the inspector, or a written notice with Permission to Enter from owner shall be posted on building next to ♦ Multiple showerheads – 1.8 GPM at 80psi for all combined showerheads ICC ES Report No. 2785 - Polycoat-Aquatight and Flexideck P-TW Underlayment Waterproofing Systems valid permits for unattended and unoccupied structure. Minors are not allowed to assist the County Building Inspector. No dogs or animals shall be in the inspection area. The requestor shall contact • ICC ES Report No. 3474 - Mapelastic Aqua Defense Waterproofing Membrane the County Building inspector between 8:00 AM - 9:30 AM on the day of the inspection to determine exact time frame. The owner/contractor shall ensure that all work is exposed and readily acces Lavatory faucets – 1.2 GPM at 60psi ICC ESR #2662 – AVM System 700 Waterproofing Membrane sible for inspection. Inspectors do not carry tools or ladders. Ladders shall be up and secured-in-place and extended sufficiently above the inspection surface (3 feet minimum) or into attic access to Lavatory faucets in public use areas – 0.5 GPM at 60psi allow the inspector to safely enter. Electrical devices shall be open and attended by a competent electrical worker. No inspection will be performed on open unattended, or unopened, electrical pan- LARR (City of Los Angeles Research Report) #26218 – AVM Aussie Gas-Lock 420 Epoxy Vapor Barrier. els. County inspectors will not open electrical panels for the owner/contractor. A project representative shall be on site. Safe site access, permit cards, approved stamped plans, safe route to the Metering faucets - .20 gallons per cycle inspection area, and OSHA approved equipment required to perform inspection shall be provided on the day of inspection. Title-24 Energy. Existing single-story garage conversion to an ADU is considered an "Addition" per the 2022 California Energy Code. Converting an existing detached, or attached, unconditioned garage/storage building to ADU would increase the conditioned floor area (CFA) and volume in the existing garage/storage building only. Alteration to components that previously met any ♦ Kitchen faucets – 1.8 GPM at 60psi Pre-Construction Meeting ventilation requirements shall continue to meet these requirements upon completion of the alterations. Additional requirements may be triggered as part of altering components for ventilation, 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 openlighting, HVAC, building envelope, or water heater. The following are minimum requirements per the Title 24 CA Energy Code: ings with cement mortar, concrete masonry, or a similar method acceptable to the enforcing agency. (4.406.1) sued. Take time to review all project documentations prior to this meeting. Any length of ducts extended from existing duct system to serve the addition shall meet alterations requirements for duct sealing and duct insulation per Energy Section 150.2(b)1Di Fireplaces shall be direct vent sealed combustion type. Indicate on the plans the manufacturer name and model number. (4.503.1) The owner/contractor shall meet with the County Building Inspector on-site to review the approved plans, existing field conditions, and Standard Notes and Details for the proposed ADU/JADU. Both and 150.1(b)1Dii n the owner and contractor are recommended to be present to ask any questions and/or voice any concerns. This pre-construction meeting shall review set-back, utility pathways and locations, con-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 distribu • New, or replacement, space heating systems serving the addition may be heat pump or gas nections, and existing framing and foundations. Existing conditions shall be exposed for the County Building Inspector to see and verify per the approved plans. Please feel free to ask any questions component openings shall be covered with tape, plastic, sheet metal, or other acceptable methods to reduce the amount of water, dust and debris which may enter the system. (4.504.1) Completely new space conditioning systems (ducting and equipment) require duct insulations and HERS testing (leakage, airflow and fan efficacy, refrigerant change in climate zones regarding the whole process during this meeting including the inspection timeline and how often and how far out are the inspections. There are no wrong questions; only ones that are not asked. 2,8-15, and air filtration) (Energy Section 150.2(a), 150.0 (m)) 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. Insu tion 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) Mandatory Pre-Construction Meeting: See attached Pre-Inspection Checklist Below. Lighting (Energy Section 150.0(k)) All mechanical exhaust fans in rooms with a bathtub or shower shall comply with the following (4.506.1): Address: A separate address is required for different utility connections (i.e. new electrical panel of the ADU), or different side street/driveway entrance to the proposed new dwelling. The separate • All lighting shall meet high luminous efficacy requirements of Table 150.0-A. address shall be obtained prior to the final inspection. All permits shall be corrected for proper records. Subordinate ADU addresses shall be posted in a conspicuous area for emergency and first Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building. • Recessed downlights shall not contain screw base lamp sockets. esponders. JADUs are not allowed to have a separate address as it is considered part of the primary dwelling unit. • Readily accessible wall mounted dimming controls shall be provided in habitable spaces (such as living rooms, dining rooms, kitchens, bedrooms). Lighting controlled by a vacancy 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 sensor is exempt from having a dimmer control. **Demolition and Grading/Drainage:** tween a relative humidity range of 50% and 80%. • An occupancy or vacancy senor shall be provided for at least one luminaire in bathrooms, garages, laundry rooms, utility rooms, and walk-in closets. 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. Demolition: All demolition shall be completed prior to the start of any construction activity, except for interior/exterior walls that shall be protected in-place where residents continue to reside. The Roofing (300 SF or more) process will require coordination and approval of the County Inspector. 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) Low-slopped roofs climate zones 13, 15 - Minimum Aged SR 0.63, Minimum (Thermal Emittance) TE 0.75 Grading/Drainage: R401.3, CBC Section 1804.0, CBC Section 4.106.3- Elevations, slopes, and topography at the project site shall match the approved plans. Site preparation for drainage is re-Steep-sloped roofs in climate zones 10-15, Minimum Aged SR 0.20, Minimum TE 0.75 Aerosol paints and coatings shall meet or exceed the standards outlined in Section 4.504.2.3. (4.504.2.3) guired for retaining walls, swales, soil removal, or additions to the level of the earth to ensure all water is diverted away from the foundation into an approved catch basin. Run off shall not be divert-Roof and Ceiling insulation (700 SF or less) All carpet installed in the building interior shall meet all the testing and product requirements of one of the following: ed into any neighboring property, or public right-of-way (PROW). Contractor shall have possible additional contingency plans for erosion and runoff. All water shall exit 2% away from the new struc-Climate zones 1, 2, 4, 8-16 overall assembly U-factor 0.025, use R-38 ture and all foundation sill plates shall be at a minimum of 8-inches above the existing grade. If the existing sill plate is at the same grade, then a repair detail shall be provided to the County Inspec-Climate zones 3, 5-7 overall assembly U-factor 0.031, use R-30 Carpet and Rug Institute's Green Label Plus Program OR tor. ADU garage conversion at, or less than 2 feet from, the property line may require a rain gutter system with down spouts to divert water away from the adjacent property. Certain sites may also Exception: Must be enclosed when rafter and ceiling meet per Energy Section 150, QII is not required California Department of Public Health Standard Method for the testing of VOC Emissions (Specification 01350) OR require a mechanical pump properly sized to discharge water at a downstream catch basin. Wall Insulations Existing walls where existing siding is unaltered Note: Nothing herein shall supersede any or all requirements of the California Title 24 Building Energy Standards (HERS/CHEERS), or the most recent Code Adoptions of the Los Angeles County NSF/ANSI 140 at the Gold Level OR R-21 in 2x6 wood-framed, no continuous Code of Regulations, Los Angeles County Green Building Standards, Los Angeles County Energy Standards, Los Angeles County Low Rise Mandatory Measures at the time of permit issuance. Scientific Certifications Systems Indoor Advantage Gold(4.504.3) R-15 in 2x4 wood-framed, no continuous QII Exceptions: 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/ No insulated headers for existing door and windows L. (4.504.3.1. 4.504.3.2) Pre-Construction Inspection Checklist for Accessory Dwelling Unit (ADU) No air sealing if existing air barrier no altered and Junior ADU A minimum of 80% of floor area receiving resilient flooring shall comply with one of the following (4.504.4): New windows, skylights, and glazed doors Mandatory requirement: Project may not start until this inspection is completed. Meet U-factor .30 and SHGC .23 per Energy Section150.1c Products certified as a Low-Emitting Material in the CHPS High Performance Products Database, OR This document is not intended for new construction projects or projects containing additions. This document is intended for ADU and Junior ADU projects in existing building such as garage Max Total Fenestra- Max West-Facing Area Fenestration area per CFA and climate zone Products certified under UL GREENGUARD Gold (Formerly the Green guard Children & Schools program), OR conversions (both detached and attached). tion (SF) Climate Zones 2, 4, 6-15 Area (SF) Whole-Dwelling Unit Mechanical Ventilation RFCI Floor Score program, OR Inspector/Office Overview: Inspection Process, Timelines, Inspection Checklist, Contacts, Plans/Details Larger of 175 SF or New ADUs meet Energy Section 150.0(o) Indoor Air Quality Requirements regardless of size Over 700 20% CFA 70 SF Exempts whole building ventilation for JADUs additions Meet the California Department of Public Health Standard Method for the testing of VOC Emissions (Specification 01350) Site Conditions Larger of 120 SF or Whole dwelling unit ventilation per ASHRAE 62.2 60 SF 401 to 700 Composite wood products (hardwood plywood, particle board, and MDF) installed on the interior or exterior of the building shall meet or exceed the standards outlined in Table 4.504.5. 25% CFA Plans Approved, Permits Issued 2022 Equation 150.0-B: Q_{tot} = 0.03 x A_{floor} + 7.5 x (N_{br} + 1) Verification of compliance with these sections must be provided at the time of inspection. (4.504.5) Larger of 75 SF or Q_{tot} = total required ventilation rate, cfm Dig Alert: Call before you dig 811 or 800-422-4133 400 or less 30% CFA 60 SF A_{floor} = dwelling-unit floor area, SF Demolition: C&D Recycle Reuse Plan (reminder keep receipts) N_{br} = number of bedrooms (not less than 1) Side Yard and Year Yard Setbacks (location of fire rated wall assemblies) Storm Water Flow (storm water pump if lower that street) Local Mechanical Exhaust Backflow- Sewer location and drainage (Sewage Ejection Pump Required if the pipe downward slope is above the connection point) Kitchen and bathroom exhaust requirements added to incorporate ASHRAE 62.2 Adds Table 150.0-E, Table 150.0-F, Table 150.0-G for ventilation rates and capture efficiency <u>Utilities</u>
 Table 150.0-E
 Demand-Controlled
 Local
 Ventilation
 Exhaust
 Airflow
 Rates
 and
 Capture
 Efficiency
 ARCHITECT Compliance Criteria Application Existing Incoming Utility (if any utility connection can it comply) Indoor carpe /ented range hood, including appliance-range hood combinations Enclosed Kitchen* or Electrical Connection/ SCE Coordination (Location) Separate Meters/Sub-Panels shall meet either the capture efficiency (CE) or the airflow rate Carpet pad a Nonenclosed specified in Table 150.0-G as applicable. Kitchen Outdoor carr Gas Connection Location (routing of gas line) Other kitchen exhaust fans, including downdraft: 300 cfm (150 L/s) Wood floorin Additional Meter/Connection to Existing or a capacity of 5 ach Values in this table are derived from those specified by the California Air Resources nclosed Kitchen Rubber floor Sewer Connection Location Downstream of Home Board, Air Toxics Control Measure for Composite Wood as tested in accordance with Other kitchen exhaust fans, including downdraft: 300 cfm (150 L/s) Non-enclosed Kitchen Subfloor adh ASTM E 1333. For additional information, see California Code of Regulations, Title 17, Bathroom 50 cfm (25 L/s) Section 93120 through 93120.12. Ceramic tile Existing Structure VCT and asp . Thin medium density fiberboard has a maximum thickness 5/16 inch (8mm). *ASHRAE 62.2 - Enclosed kitchen: kitchen whose permanent openings to interior adjacent spaces do not exceed 60 square feet in total Drywall and Foundation/Footings (retrofit or new footings may be required) Cove base a Visual Condition of Existing Foundation/Slab/Footings Table 150.0-F Continuous Local Ventilation Exhaust Airflow Rates Depth of Existing Footings (verify pothole depth multiple locations as need) Multipurpose Application Compliance Criteria • Garage Opening footing (must have potholes verifiable footing entire length) Structural gl: Enclosed kitchen 5 ach, based on kitchen volume Slab Condition (vapor barrier system type per LACO Approved Systems) Vapor Barrier required prior to any interior framing Single-ply ro 20 cfm (10 L/s) Bathroom Other adhes Exterior SPECIALIT ♦ Foundation Height (Sheet flow of water away from structure) PVC welding Ocondition of Exterior walls, exposed eves etc. Table 150.0-G Kitchen Range Hood Airflow Rates (cfm) and ASTM E3087 Capture Efficiency (CE) CPVC weldir Ratings According to Dwelling Unit Floor Area and Kitchen Range Fuel Type Ocondition of Existing Roof System ABS welding Hood Over Electric Dwelling Unit Floor Area Hood Over Natural Gas Range Fire setbacks for fire rated walls (eve/roof/opening protection) Range Plastic ceme Equipment set back location (location of future equipment) Adhesive pri >1500 50% CE or 110 cfm 70% CE or 180 cfm ♦ Finish wall systems and Condition (Stucco/Siding Etc.) Weather Resistive Barrier in act. Contact adhe >1000 - 1500 50% CE or 110 cfm 80% CE or 250 cfm Special purp 750 - 1000 55% CE or 130 cfm 85% CE or 280 cfm Structural wo <750 65% CE or 160 cfm 85% CE or 280 cfm Existing/future Roof Framing system (Residential Roof Rafter Span Index) Top and trim Existing/future ceiling joist (Residential ceiling span index) Airflow rate measurement for local exhaust by the installer SUBSTRAT Clarifies only measurement methods in RA3.7 Existing wall Anchors and hold downs (Minimum 1/2" AB with 3x3 washers, distance apart) Metal to met Airflow rate when capture efficiency is used for compliance Visual Verification of existing Weather resistive barrier behind stucco/siding pecified in this table, see South Coast Air Quality Management District Rule 1168 Plastic foam Table 150.0-H prescriptive duct sizing table may be used for capture efficiency compliance Porous mate Site Protection/Safety and Required BMP's Wood Table 150.0-H Prescriptive Ventilation System Duct Sizing [ASHRAE 62.2, Table 5-3] Fiberglass Clean Site is a Safe Site Fan Airflow Rating. Storm Water Protections, Covered Stockpiles, Covered Unattended Trenches f an adhesive is used to bond dissimilar substrates together, the adhecfm at minimum stat pressure 0.25 in. wa-≤50 ≤80 ≤100 ≤125 ≤150 ≤175 ≤200 ≤250 ≤350 ≤400 ≤450 ≤700 ≤800 sive with the highest VOC content shall be allowed. No Work from Public Right of Way (PROW) (40) (60) (70) (85) (95) (120) (165) (190) (210) (330) (50) (380)(25)

(L/s at minimum 62.5 Pa) Minimum Duct Diame-(180) (205) (230) in. (mm) (see note a (100) (125) (125) (150) (150) (180) (255) (255) (305) (305) b) For Rigid duct Minimum Duct Diame-8 8 n. (mm) (see note a, NP NP NP (100) (125) (150) (150) (180) (180) (205) (205) (230) (255) b) For Flex duct (see note c)

Footnotes for Table 150.0-H:

a. For noncircular ducts, calculate the diameter as four times the cross-sectional area divided by the perimeter.

b. NP = application of the prescriptive table is not permitted for this scenario. c. Use of this table for verification of flex duct systems requires flex duct to be fully extended and any flex duct elbows to have a

minimum bend radius to duct diameter ratio of 1.0. d. For this scenario, use of elbows is not permitted.

e. For this scenario, 4 in. (100 mm) oval duct shall be permitted, provided the minor axis of the oval is greater than or equal to 3

in. (75 mm) f. When a vented range hood utilizes a capture efficiency rating to demonstrate compliance with Energy Section 150.0(o)1Giiib, a

static pressure greater than or equal to 0.25 in. of water at the rating point shall not be required, and the airflow listed in the approved directory corresponding to the compliant capture efficiency rating point shall be applied to Table 150.0-H for determining compliance.

Sound ratings for local exhaust use minimum airflow rates required per Energy Section 150.0(o)1G

HERS verifications (Energy Section 150.0(o)2A-C)

Vhole-dwelling unit ventilation - Airflow measurement per ASHRAE 62.2 for balanced airflow rate determination and measurement of systems with multiple operating modes Kitchen local exhaust - vented range hoods installed to meet IAQ, adds use of capture efficiency ratings for compliance Heat recovery ventilation (HRV) and Energy Recovery Ventilation (ERV) - required for fan efficacy less than 1.0 W per cfm

<u>Water heating</u> (Energy Section 150.2(a)1D)

Heat pump water heater – either: a) not located outdoor, on R10 surface, demand responsive; OR b) High efficiency NEEA Tier 3 Gas or propane instantaneous water heater: a) 200.000 BTU or less; b) no storage tank Additions less than 500 square feet - instantaneous electric allowed or meet Energy Section RA4.4.5

TABLE 4.504.1/TABLE 5.5 ADHESIVE VOC LIMIT						
Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds						
et adhesives	50					
adhesives	50					
pet pad adhesives	150					
ng adhesives	100					
r adhesives	60					
nesives	50					
adhesives	65					
phalt tile adhesives	50					
panel adhesives	50					
adhesives	50					
e construction adhesives	70					
azing adhesives	100					
oof membrane adhesives	250					
sives	50					
Y APPLICATIONS						
g	510					
ng	490					
g	325					
ent welding	250					
imer for plastic	550					
esive	80					
oose contact adhesive	250					
ood member adhesive	140					
n adhesive	250					
E SPECIFIC APPLICATIONS						
tal	30					
IS	50					
erial (except wood)	50					
· · ·	30					
	80					

r additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168

TABLE 4.504.5/TABL					
FORMALDEHYDE					
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				

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

TABLE 4.504.3/TABLE 5.504.4.3VOC CONTENT LIMITS FOR ARCHITECTURAL COATING2,3Grams of VOC per Liter of Coating,Less Water and Less Exempt Compounds					
COATING CATEGORY VOC LIMIT COATING CATEGORY VOC					
Flat coatings	50	Magnesite cement coatings	450		
Nonflat coatings	100	Mastic texture coatings	100		
Nonflat high-gloss coatings	150	Metallic pigmented coatings	500		
SPECIALTY COATINGS		Multi-color coatings	250		
Aluminum roof coating	400	Pretreatment wash primers	420		
Basement specialty coatings	400	Primers, sealers, and undercoaters	100		
Bituminous roof coatings	50	Reactive penetrating sealers	350		
Bituminous roof primers	350	Recycled coatings	250		
Bond breakers	350	Roof coatings	50		
Concrete curing compounds	350	Rust preventative coatings	250		
Concrete/masonry sealers	100	Shellacs: Clear Opaque	730 550		
Driveway sealers	50	Specialty primers, sealers and undercoaters	100		
Dry fog coatings	150	Stains	250		
Faux finishing coatings	350	Stone consolidants	450		
Fire resistive coatings	350	Swimming pool coatings	340		
Floor coatings	100	Traffic marking coatings	100		
Form-release compounds	250	Tub and tile refinish coatings	420		
Graphic arts coatings (sign paints)	500	Waterproofing membranes	250		
High-temperature coatings	420	Wood coatings	275		
Industrial maintenance coatings	250	Wood preservatives	350		
Low solids coatings ¹	120	Zinc-rich primer	340		
 Grams of VOC per liter of coating, including water and including exempt compounds. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board. 					

10	TE	ΞS	:	

ite:
vner/Contractor:
fective immediately no plumbing or sewer py shall be attached to the permit and ele
b Address:
ection 710.1 of the Los Angeles County Plever of the public or private main sewer set
s the responsibility of the permittee to determined.
. (p

A backwater valve is required and is installed.

Signed:

NEW SEWER BACKWATER VALVE REQUIREMENT

r permit shall be issued for any plumbing work unless a backwater valve protection determination form is filled out and signed by the applicant. The signed ectronically filed under the permit record. If a backwater valve is required, the plumbing permit application shall include a backwater valve. **BACKWATER VALVE PROTECTION DETERMINATION**

lumbing Code requires that drainage piping serving Plumbing fixtures installed on a floor level that is below the elevation of the next upstream manhole erving such drainage piping shall be protected from backflow of sewage by installing an approved type of backwater valve. termine whether the relative elevations of the floor with plumbing fixtures and sewer manhole cover at this job site are such that a backwater valve is re-

(print) the LICENSED CONTRACTOR / OWNER (circle one) have reviewed the conditions at the job site and have determined that:

] No backwater valve is required. Plumbing fixtures are installed on a floor level that is not below the elevation of the next upstream manhole cover.



CONVERSION IO ACCESSORY	STANDARD NOTES & DETAILS
UNIY EXISTING SINGLE-SIOKY GARAGE	& JUNIOR ACCESSORY DWELLING UNIT
LUS ANGELES CUI	DWELLING UNIT

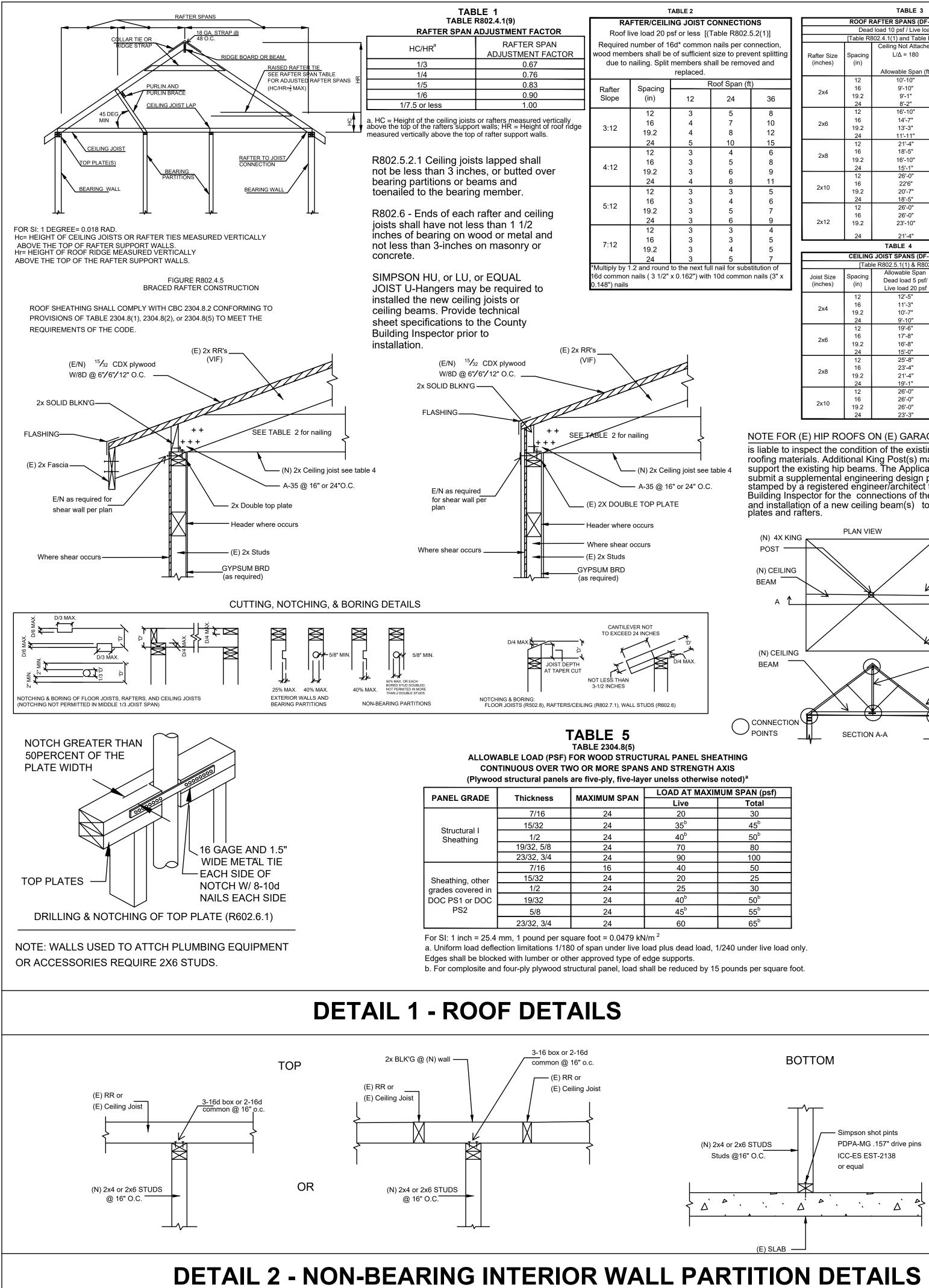
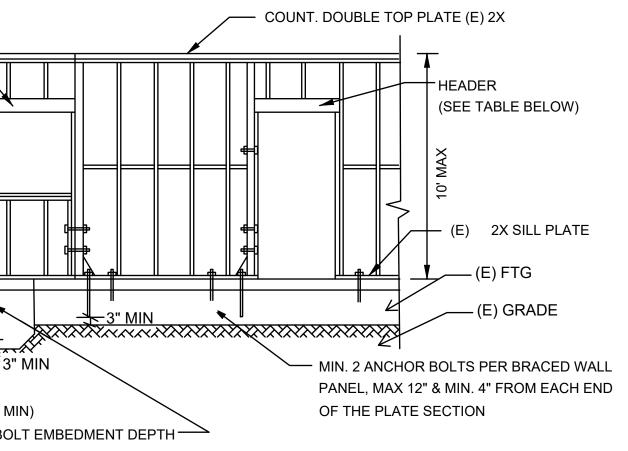


TABLE 2 EILING JOIST CONNECTIONS 20 psf or less [(Table R802.5.2(1)] of 16d* common nails per connection, all be of sufficient size to prevent splitting	TABLE 3 ROOF RAFTER SPANS (DF Dead load 10 psf / Live loa [Table R802.4.1(1) and Table] Rafter Size Spacing Ceiling Not Attache L/Δ = 180	ad 20 psf R802.4.1(1)]								
Split members shall be removed and replaced. Roof Span (ft)	(inches) (in) Allowable Span (fi 12 10'-10"	9'-10"		Descrip	tion of Building Elem	ents	Number and Type of Fas	stener	Spacing and Location	
12 24 36	2x4 16 9'-10" 19.2 9'-1" 24 8'-2"	8'-11" 8'-5" 7'-10"			<u> </u>		Roof			
3 5 8	12 16'-10" 16 14' 7"	15'-6" 14'-1"	Blocking between Ceiling joists to to		rafter to top plate		4-8d box (2-1/2" x 0.113") 4-8d box (2-1/2" x 0.113")	Toe nail Per joist, toe	nail	
4 7 10 2 4 8 12	2x6 19.2 13'-3" 24 11'-11"	13'-3" 11'-11"	<u> </u>		el rafter, laps over parti	tions	4-10d box (3" x 0.128")	Face nail	nan	
5 10 15 3 4 6	12 21'-4" 16 18'-5" 19.2 16'-10"	20'-5" 18'-5" 16'-10"			fter (heel joint) (see Tab	le 802.5.2(1))	Table R802.5.2(1)	Face nail		
2 3 5 8 3 6 9	19.2 10-10 24 15'-1" 12 26'-0"	20'-5" 26'-0"	Collar tie to rafter, Rafter or roof trus				4-10d box (3" x 0.128") 3-16d box (3-1/2" x 0.135");	Face nail	one side and 1 toe nail on o	opposite side
4 8 11 3 3 5	2x10 16 22'6" 19.2 20'-7"	22'-6" 22'-6"					3-10d common nails 3" x 0.	148") of each rafter		
2 3 4 6 3 5 7	24 18'-5" 12 26'-0" 16 26'-0"	15'-1" 26'-0" 26'-0"	Roof rafter to ridge	e, valley or hip ra	after or roof rafter to min	imum 2" ridge beam	4-16d box (3-1 /2" x 0.135") 3-16d box (3-1 /2" x 0.135")			
3 6 9 3 3 4	2x12 19.2 23'-10" 24 21'-4"	23'-10"					Wall			
2 3 3 5 2 3 4 5	TABLE 4	21'-4"	Stud to stud (not b	-			16d common (3-1/2" x 0.162	,	nail	
3 5 7 bund to the next full nail for substitution of	CEILING JOIST SPANS (DF- [Table R802.5.1(1) & R802 Allowable Span	-	Stud to stud and a Built-up header (2	-	-	s (at braced wall panels)	16d box (3-1/2" x 0.135") 16d common (3-1/2" x 0.162	16" o.c. face	edge face nail	
1/2" x 0.162") with 10d common nails (3" x	Joist Size (inches) (in) (in) Dead load 5 psf/ Live load 20 psf	Dead load10psf/	Continuous heade				5-8d box (2-1/2" x 0.113")	Toe nail		
	12 12'-5" 16 11'-3"	9'-10" 8'-11"	Adjacent full-heig		f header		4-16d box (3 1/2" x 0.135")			
	2.X4 19.2 10'-7" 24 9'-10" 12 19'-6"	8'-2" 7'-3" 15'-0"	Top plate to top p Double top plate s				16d common (3-1/2" x 0.162 8-16d common (3-1/2" x 0.1	,	nail each side of end joint (minin	num
	2x6 12 19-0 16 17'-8" 19.2 16'-8"	13-0" 11'-11"		,piloo					e length each side of end joir	
	24 15'-0" 12 25'-8"	10'-8" 19'-1"	Bottom plate to joi	ist, rim joist, ban	d joist, or blocking (not a	at braced wall panels)	16d common (3-1/2" x 0.162	2") 16" o.c. face	nail	
	2x8 16 23'-4" 19.2 21'-4" 24 19'-1"	16'-6" 15'-1" 13'-6"		-	d joist, or blocking (at br	aced wall panels)	3-16d box 3-1/2" x 0.135")	3 each 16" o.	c. face nail	
	12 26'-0" 16 26'-0"	23'-3" 20'-2"	Top or bottom pla	te to stud and inf	terse tions		4-8d box (2-1/2" x 0.113") 3-16d box (3-1 /2" x 0.135")	Toe nail End nail		
	2X10 19.2 26'-0" 24 23'-3"	18'-5" 16'-5"	Top pates, laps at	t corners, and int	ersections		3-10d box 3" x 0.128")	Face nail		
NOTE FOR	(E) HIP ROOFS ON (E) GARAG	GES: The Applicant	1" brace to each s 1"x 6" sheathing to	•			3-8d box (2 1/2" x 0.113")	Face nail		
is liable to in	nspect the condition of the existinerials. Additional King Post(s) ma	ng roof rafters and	1"x 8" and wider s	•	n bearing		3-8d box (2 1/2" x 0.113") 3-8d box (2 1/2" x 0.113")	Face nail Face nail		
Ceiling joist see table 4 SUDDORT the	existing hip beams. The Applica	ant is responsible to			Ū		Floor			
@ 16" or 24" O.C. stamped by Building Ins	pplemental engineering design p a registered engineer/architect pector for the connections of the	to the County e new king post(s)	Joist to sill, top pla	X	sill or top plate (roof ap	plications also)	4-8d box (2-1/2" x 0.113") 8d box 2-1/2" x 0.131")	Toe nail 4" o.c. toe na	;1	
PLATE and installar plates and r	tion of a new ceiling beam(s) to rafters.	the existing top				Silcations also	8d common (2-1/2" x 0.131			
	PLAN VIEW		Built-up girders ar	nd beams, 2-inch	lumber layers		20d common (4" x 0.192")		er as follows: 32" o.c. at top	and
(N) 4X KIN POST —		1	Ledger strip suppo	orting joists or ra	fters		4-16d box (3-1/2" x 0.135")	bottom and s At each joist	or rafter, face nail	
(N) CEILING		(E) 2X RR	Bridging or blockir	ng to joist, rafter	or truss		2-10d box (3" x 0.128")	Each end, too	e nail	
BEAM		4								
(R602.6)		(E) HIP (N) 4X KING POST (E) 2X RR (E) WALL		MIN. 5/ 7" EME WITH 3" X 3" X	CHOR BOLTS (8" DIA. x 10" BEDMENT 0.229" WASHER ACING 48" O.C., or ILAR/EQUAL TIE DOWN EACH THICKEN FOOTIN	SIDE OF PANEL (HDU 2 MIN) NG AS REQUIRED FOR BOLT EN		MIN. 2 ANCHOR BO PANEL, MAX 12" & N OF THE PLATE SEC		
l plus dead load, 1/240 under live load o	nly.				TABLE 7			TABLE 8		
e supports. be reduced by 15 pounds per square fo	ot.									
			_		<pre>FORY (DF-LARCH #2) Fof jacks studs required</pre>			ORY (DF-LARCH #2 of jacks studs require	d to support each end	
			-	Size	24' Building Width	36' Building Width	Size	24' Building Width	36' Building Width	
B	MOTTC			2-2x6	4'-7" w/ 1 NJ	3'-10" w/ 1 NJ	2-2x6	4'-4" w/ 1 NJ	3'-6" w/ 1 NJ	
				2-2x8	5'-9" w/ 1 NJ	4'-10" w/ 1 NJ	<u>2-2x8</u> 2-2x10	5'-5" w/ 1 NJ 6'-6" w/ 2 NJ	4'-5" w/ 2 NJ 5'-3" w/ 2 NJ	
	<u>т</u> ^т_			2-2x10 2-2x12	6'-10" w/ 2 NJ 8'-1" w/ 2 NJ	5'-9" w/ 2 NJ 6'-10" w/2NJ	2-2x12	7'-7" w/2NJ	6'-3" w/2NJ	
(N) 2x4 or 2x6 STUDS Studs @16" O.C.	Simpson shot pints PDPA-MG .157" drive pins ICC-ES EST-2138 or equal			3-2x12 NOTE: 1. 2.	10'-1"w/2 NJ 2-2X's MUST BE STIT 4X's OF SIMILAR DE	8'-6"w/2 NJ CHED NAILED AT 12" o.c PTH CAN BE USED IN LIE	3-2x12 U OF THE 2-2X's SHOWN A INIMUM 4x4 HEADER CAN E	9'-6"w/2 NJ T THE TABLE. BE USED.	7'-9"w/2 NJ	
					DFI	ΔII 3-HE			GS	

DETAIL 3 - HEADER OVER OPENINGS

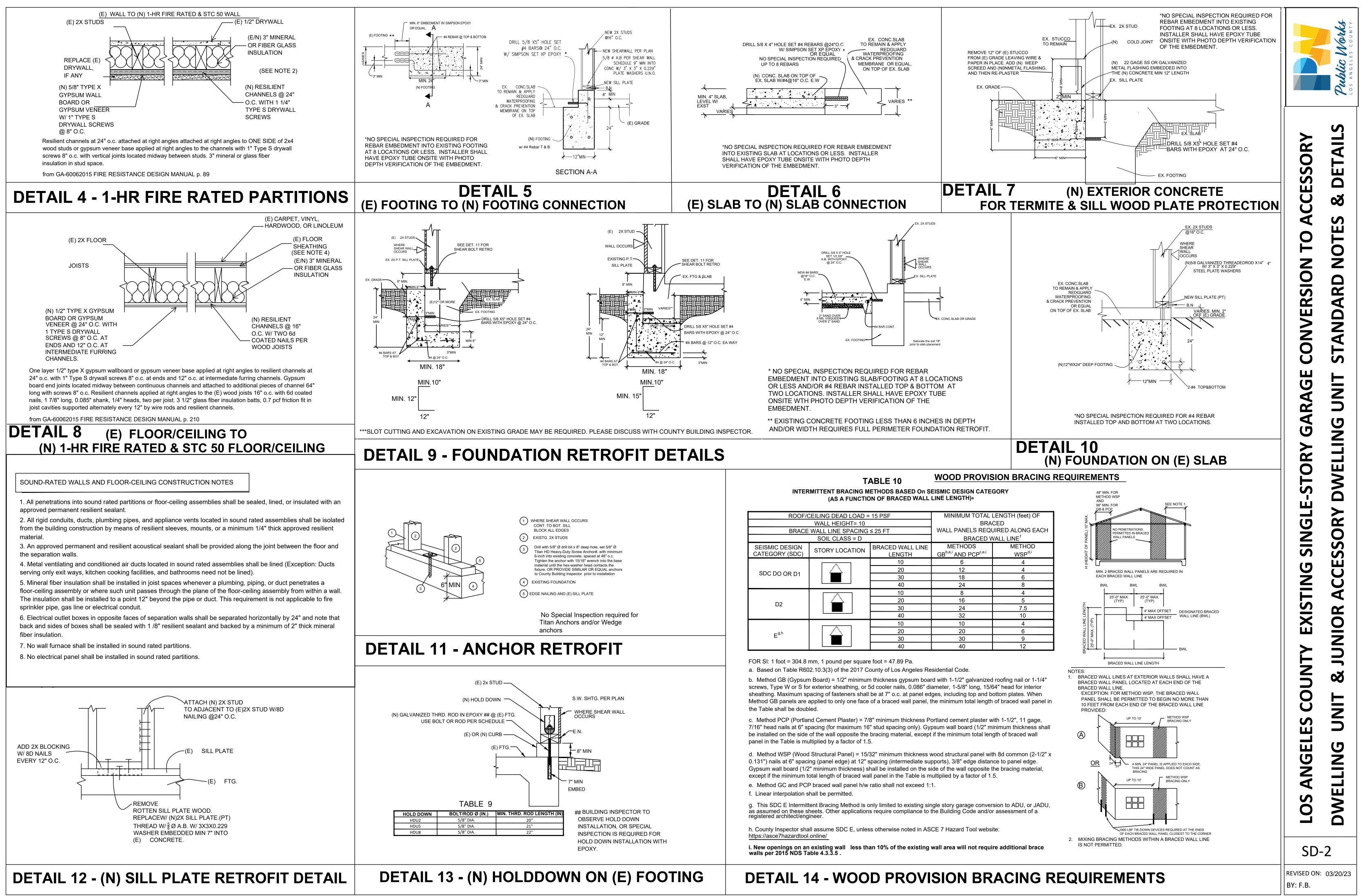






S A Ο S Ľ S C Q \mathbf{O} S 0 0 Ζ Ζ **NVERSIO** 4 Ζ 4 Ο Ū S ш U Z R U U Ζ DV ST Ш SSORY U SIN Ш О U **EXISTIN** C 4 JUNIOR Z D Ø 0 **UNIT** Ŭ S ŰŰ ANGEI DWELLING OS SD-1

REVISED ON: 03/20/23 BY: F.B.



ROOF/CEILING DEAD LOAD = 15 PSF						
WALL HEIGHT= 10						
BRACE	WALL LINE SPACING	≤ 25 FT	WALL P			
	SOIL CLASS = D					
SEISMIC DESIGN CATEGORY (SDC)						
		10				
	\square	20				
SDC DO OR D1		30				
		40				
		10				
D2	$ \simeq$	20				
DZ		30				
		40				
	54271	10				
E ^{g,h}	\square	20				
		30				
		40				