2022 CAL GREEN
RESIDENTIAL MANDATORY MEASURES CHECKLIST
(EFFECTIVE JAN 1, 2023)

☐ THE FOLLOWING NOTES SHALL BE REPRODUCED ON THE SITE PLAN OR COVER SHEET CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) – INCORPORATE THESE MANDATORY ITEMS IN THE DESIGN AND CONSTRUCTION OF THE PROJECT AND ADD NOTES TO PLANS AS APPLICABLE OF THE SUBMITTED DRAWINGS

2022 CalGREEN Residential Mandatory Measure Notes

SECTION	MEASURE	REQUIREMENTS
PLANNING AND DESIGN		
4.106.2	Storm Water Drainage and Retention During Construction	A plan is developed and implemented to manage storm water drainage during construction.
4.106.3	Grading and Paving	Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.
4.106.4.1	Electric Vehicle Charging	Provide capability for electric vehicle charging for one and two-family dwellings, townhouses with attached private garages in accordance with Section 4.106.4.1.
4.106.4.2	Electric Vehicle Charging	Provide capability for electric vehicle charging for multifamily dwellings and hotels/motels in accordance with Sections 4.106.4.2.1 or 4.106.4.2.2, as applicable.
4.106.4.3	Electric Vehicle Charging	Provide capability for electric vehicle charging for existing parking lots or new parking lots for existing residential buildings in accordance with Section 4.106.4.3, as applicable.
ENERGY EFFICIENCY		
4.201.1	General	Building meets or exceeds the requirements of the *California Building Energy Efficiency Standards*.
WATER EFFICIENCY AND CONSERVATION (Indoor Water Use)		
4.303.1	Water Conserving Plumbing Fixtures and Fittings	Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of Sections 4.303.1.1 through 4.303.1.4.4: **Plumbing fixtures & fittings** — **Maximum** Water closets — 1.28 gallons/flush Urinals — 0.125 gallons/flush for wall-mounted type and 0.5 gallons/flush for floor-mounted type or other type Showerheads — 1.8 gpm @ 80 psi Residential lavatory faucets — 1.2 gpm @ 60 psi max. 0.8 gpm @ 20 psi min. Lavatory faucets in common & public use areas — 0.5 gpm @ 60 psi Metering faucets — 0.2 gallons/cycle Kitchen faucets — 1.8 gpm @ 60 psi
4.303.3	Standards for Plumbing Fixtures and Fittings	Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable referenced standards.
4.303.1.4.3	Metering faucets	Metering faucets in residential building shall not deliver more than 0.2 gallons per cycle
WATER EFFICIENCY AND CONSERVATION (Outdoor Water Use)		
4.304.1	Outdoor potable water use in landscape areas	Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (Enhanced Durability & Reduced Maintenance)		
4.406.1	Rodent proofing	Annular spaces around pipes, electric cables, conduits, or other openings in sole/bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency.
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (Construction Waste Reduction, Disposal & Recycling)		
4.408.1	Construction Waste Management	Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with one of the following: 1. Comply with a more stringent local construction and demolition waste management ordinance; or 2. A construction waste management plan, per Section 4.408.2; or 3. A waste management company, per Section4.408.3; or 4. The waste stream reduction alternative, per Section 4.408.4.
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (Building Maintenance & Operation)		
4.410.1	Operation and Maintenance Manual	An operation and maintenance manual shall be provided to the building occupant or owner.
4.410.2	Recycling by Occupants	Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82(a)(2)(A) et seq. will also be exempt from the organic waste portion of this section.

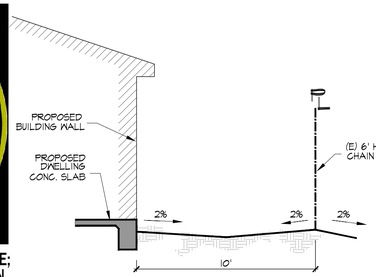
2022 CalGREEN Residential Mandatory Measure Notes

SECTION	MEASURE	REQUIREMENTS
ENVIRONMENTAL QUALITY (Fireplaces)		
4.503.1	Fireplaces	Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with all applicable local ordinances.
ENVIRONMENTAL QUALITY (Pollutant Control)		
4.504.1	Covering of Duct Openings & Protection of Mech. Equipment During Construction	Duct openings and other related air distribution component openings shall be covered during construction.
4.504.2.1	Adhesives, Sealants and Caulks	Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.
4.504.2.2	Paints and Coatings	Paints, stains and other coatings shall be compliant with VOC limits.
4.504.2.3	Aerosol Paints and Coatings	Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds.
4.504.2.4	Verification	Documentation shall be provided to verify that compliant VOC limit finish materials have been used.
4.504.3	Carpet Systems	Carpet and carpet systems shall be compliant with VOC limits.
4.504.4	Resilient Flooring Systems	80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria.
4.504.5	Composite Wood Products	Particleboard, medium density fiberboard (MDF) and hardwood plywood used in the interior finish systems shall comply with low formaldehyde emission standards.
ENVIRONMENTAL QUALITY (Interior Moisture Control)		
4.505.2	Concrete Slab Foundations	Vapor retarder and capillary break is installed at slab-on-grade foundations.
4.505.3	Moisture Content of Building Materials	Moisture content of building materials used in wall and floor framing is checked before enclosure.
ENVIRONMENTAL QUALITY (Indoor Air Quality & Exhaust)		
4.506.1	Bathroom Exhaust Fans	Each bathroom shall be mechanically ventilated and shall comply with the following: 1. ENERGY STAR fans ducted to terminate outside the building. 2. Fans must be controlled by a humidity control (separate or built-in); OR functioning as a component of a whole-house ventilation system. 3. Humidity controls with manual or automatic means of adjustment, capable of adjustment between a relative humidity range of ≤ 50 percent to a maximum of 80 percent.
ENVIRONMENTAL QUALITY (Environmental Comfort)		
4.507.2	Heating and Air Conditioning System Design	Duct systems are sized, designed, and equipment is selected using the following methods: 1. Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J-2016 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D- 2016 or equivalent. 3. Select heating and cooling equipmset according to ANSI/ACCA 3 Manual S-2014 or equivalent.
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS (Qualifications, Verifications)		
702.1	Installer Training	HVAC system installers are trained and certified in the proper installation of HVAC systems.
702.2	Special Inspection	Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.
703.1	Documentation	Verification of compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.

Note:
This check list is intended only as an aid to the user and may not contain complete code language. Refer to 2022 CALGreen Chapter 4 for complete code language.

CONTACT 811 BEFORE YOU DIG — 811 — SAFE DIGGING PARTNER

CALL 811 BEFORE YOU EXCAVATE; COMPLIANCE WITH EXCAVATION SAFETY IN ACCORDANCE WITH GOVERNMENT CODE 4216 WILL BE FOLLOWED PRIOR EXCAVATING.



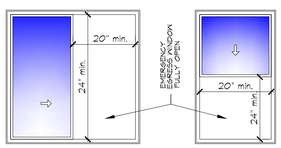
TYP. LOT SECTION @ 10'-0" SETBACK
1/4" = 1'-0"

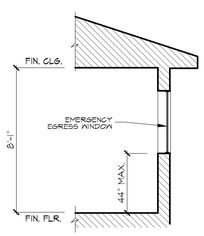
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) NOTES
Notes must be shown as worded, on the title sheet of the plan

1. In the case of emergency, call TRIUNFO BOBADILLA at Work Phone # _____ or Home Phone # (909) 240 6726
2. Sediment from areas disturbed by construction shall be retained on site using structural controls to the maximum extent practicable.
3. Stockpiles of soil shall be properly contained to minimize sediment transport from the site to streets, drainage facilities or adjacent properties via runoff, vehicle tacking, or wind.
4. Appropriate BMP's for construction-related materials, wastes, spills shall be implemented to minimize transport from the site to streets, drainage facilities, or adjoining properties by wind or runoff.
5. Runoff from equipment and vehicle washing shall be contained at construction sites unless treated to reduce or remove sediment and other pollutants.
6. All construction contractor and subcontractor personnel are to be made aware or the required best management practices and good housekeeping measures for the project site and any associated construction staging areas.
7. At the end of each day of construction activity all construction debris and waste materials shall be collected and properly disposed in trash or recycle bins.
8. Construction sites shall be maintained in such a condition that an anticipated storm does not carry wastes or pollutants off the site. Discharges of material other than stormwater only when necessary for performance and completion of construction practices and where they do not: cause or contribute to a violation of any water quality standard; cause or threaten to cause pollution, contamination, or nuisance; or contain a hazardous substance in a quantity reportable under Federal Regulations 40 CFR Parts 117 and 302.
9. Potential pollutants include but are not limited to: solid or liquid chemical spills; wastes from paints, stains, sealants, glues, limes, pesticides, herbicides, wood preservatives and solvents; asbestos fibers, paint flakes or stucco fragments; fuels, oils, lubricants, and hydraulic, radiator or battery fluids; fertilizers, vehicle/equipment wash water and concrete wash water; concrete, detergent or floatable wastes; wastes from any engine/equipment steam cleaning or chemical degreasing and superchlorinated potable water line flushing. During construction, permittee shall dispose of such materials in a specified and controlled temporary area on -site, physically separated from potential stormwater runoff, with ultimate disposal in accordance with local, state and federal requirements.
10. Dewatering of contaminated groundwater or discharging contaminated soils via surface erosion is prohibited. Dewatering of non-contaminated groundwater requires a National Pollutant Discharge Elimination System Permit from the respective State Regional Water Quality Control Board.
11. Graded areas on the permitted area perimeter must drain away from the face of slopes at the conclusion of each working day. Drainage is to be directed toward desilting facilities.
12. The permittee and contractor shall be responsible and shall take necessary precautions to prevent public trespass onto areas where impounded water creates a hazardous condition.
13. The permittee and contractor shall inspect the erosion control work and insure that the work is in accordance with the approved plans.
14. The permittee shall notify all general contractors, subcontractors, material suppliers, lessees, and property owners: that dumping of chemicals into the storm drain system or the watershed is prohibited.
15. Equipment and workers for emergency work shall be made available at all times during the rainy season. Necessary materials shall be available on site and stockpiled at convenient locations to facilitate rapid construction of temporary devices when rain is imminent.
16. All removable erosion protective devices shall be in place at the end of each working day when the 5-Day Rain Probability Forecast exceeds 40%.
17. Sediments from areas disturbed by construction shall be retained on site using an effective combination of erosion and sediment controls to the maximum extent practicable, and stockpiles of soil shall be properly contained to minimize sediment transport from the site to streets, drainage facilities of adjacent properties via runoff, vehicle tracking, or wind.
18. Appropriate BMPs for construction-related materials, wastes, spills or residues shall be implemented and retained on site to minimize transport from the site to streets, drainage facilities, or adjoining property by wind or runoff.

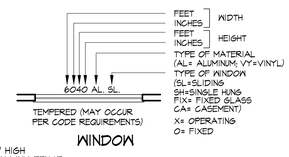
EMERGENCY ESCAPE NOTES

1. BASEMENTS (EXCEPT THOSE ONLY FOR MECHANICAL EQUIPMENT AND NOT OVER 200 SQUARE FEET IN FLOOR AREA), HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING (R310.1)
2. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM CLEAR OPENING OF 5.7 SQUARE FEET WITH A MINIMUM NET CLEAR OPENING HEIGHT OF 24 INCHES AND WIDTH OF 20 INCHES AND 44 INCHES MAXIMUM TO BOTTOM OF CLEAR OPENING MEASURED FROM FIN. FLOOR (R310.1.1, R310.1.2 AND R310.1.3)

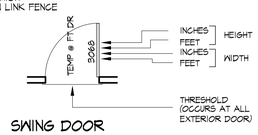




EGRESS WINDOW WALL SEC.
N.T.S.

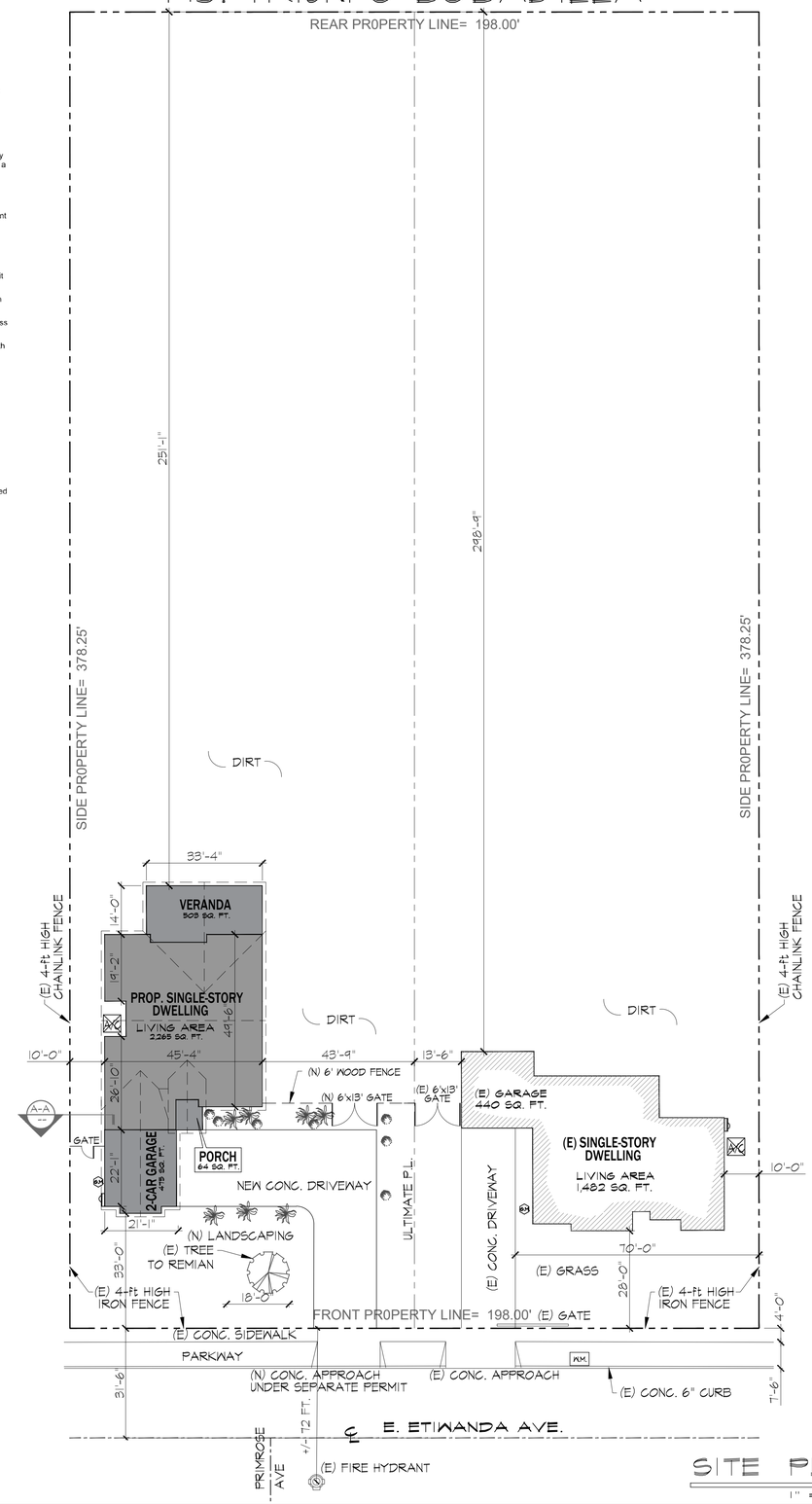


WINDOW

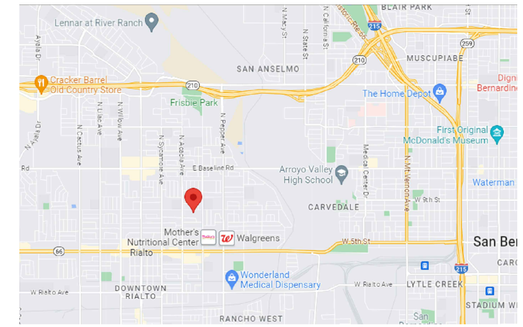


SWING DOOR

PROPOSED NEW RESIDENCE FOR:
MS. TRIUNFO BOBADILLA



SITE PLAN
1" = 20'-0"



VICINITY MAP N.T.S. N

SHEET INDEX

TITLE	SHEET #
COVER SHEET & SITE PLAN	C-1
FLOOR PLAN	A-1
EXTERIOR ELEVATIONS	A-2
ROOF PLAN	A-3

GRADING NOTES:

EARTHWORK	QUANTITIES CUT	FILL
FOOTINGS & ROUGH GRADING	15 CY	0 CY
EXPORT	0 CY	0 CY

TOTAL PROJECT EARTHWORK QUANTITIES 15 CY
LESS THAN 100 C/Y OF DIRT SHALL BE DISTURBED.

BUILDING ANALYSIS:

SINGLE FAMILY WOOD FRAMED RESID.

ZONING: R1
OCCUPANCY: R-3/U

TYPE OF CONSTR. V-B
FIRE SPRINKLERS: YES (UNDER SEPARATE PERMIT) NFPA 13D (R313, 12.21A1T(d))
NUMBER OF STORIES: ONE

BUILDING CODES:
2022 CBC
2022 CALIFORNIA ADMINISTRATIVE CODE,
2022 CALIFORNIA RESIDENTIAL CODE,
2022 CALIFORNIA ELECTRICAL CODE,
2022 CALIFORNIA MECHANICAL CODE,
2022 CALIFORNIA PLUMBING CODE,
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE,
2022 CALIFORNIA ENERGY CODE,
2022 CALIFORNIA FIRE CODE,
WITH CITY AMENDMENTS.

BUILDING SUMMARY:

LOT SIZE= 74,923 SQ. FT.

EXISTING:
LIVING AREA= 1,482 SQ. FT.
2-CAR GARAGE= 440 SQ. FT.

PROPOSED:
2-CAR GARAGE= 475 SQ. FT.
VERANDA= 503 SQ. FT.
PORCH= 64 SQ. FT.
LIVING AREA= 2,265 SQ. FT.

FOOTPRINT AREA= 4,726 SQ. FT.
LOT COVERAGE= 6%

LEGAL DESCRIPTION:

TRACT#
LOT# 24
APN# 013-320-124
CITY: RIALTO
COUNTY: SAN BERNARDINO
STATE: CALIFORNIA

SITE ADDRESS:
605 E. ETIWANDA AVE.
RIALTO, CA. 92376

MBGA DRAFTING INC.
24566 ONEIDA ST.
MORENO VALLEY, CA. 92553
BUS: (951) 751 7813
mbgadrafting@gmail.com

OWNER/CLIENT:
TRIUNFO BOBADILLA
ADDRESS: 605 E. ETIWANDA AVE.
RIALTO, CA. 92376
PH: (909) 240 6726
EMAIL: bobadilla123@gmail.com

PROJECT:
PROP. NEW RESIDENCE

PROJECT LOCATION:
APN= 013-320-124
E. ETIWANDA AVE
RIALTO, CA. 92376

SHEET TITLE:
COVER SHEET & SITE PLAN

REVISIONS	DATE
△	
△	
△	

JOB #: 2308-OCH
DATE: 8/18/2023
SCALE: 1"=20'-0"
DRAWN BY: M.B.
SHEET
C-1

NOTICE: WRITTEN DIMENSIONS OF THESE DRAWINGS SHALL TAKE PREFERENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE PLANS. IN THE EVENT A DISCREPANCY OCCURS CONTRACTOR SHALL IMMEDIATELY NOTIFY MBGA DRAFTING INC. THE IDEAS, DRAWINGS, AND LAYOUTS SHOWN IN THESE PLANS, ARE THE INTELLECTUAL PROPERTY OF MBGA DRAFTING INC., THEREFORE, THEY SHALL NOT TO BE REPRODUCED OR COPIED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF MBGA DRAFTING INC.