**CHAPTER 4 RESIDENTIAL MANDATORY MEASURES**

### DIVISION 4.1 PLANNING AND DESIGN

#### SECTION 4.1.2.2 PROVISIONS

- **4.1.2.2.1 General**
  - Detailed descriptions of the project shall be submitted in accordance with the California Building Code. All plans and specifications shall be submitted in accordance with Section 4.1.2.2.

- **4.1.2.2.2/site development**
  - Site development plans shall be submitted in accordance with Section 4.1.2.2.

- **4.1.2.2.3 Structural and Electrical Plans**
  - Structural and electrical plans shall be submitted in accordance with Section 4.1.2.2.

- **4.1.2.2.4 Fire Protection Plans**
  - Fire protection plans shall be submitted in accordance with Section 4.1.2.2.

- **4.1.2.2.5 Plumbing Plans**
  - Plumbing plans shall be submitted in accordance with Section 4.1.2.2.

- **4.1.2.2.6 Mechanical Plans**
  - Mechanical plans shall be submitted in accordance with Section 4.1.2.2.

### DIVISION 4.2 WATER USE

#### SECTION 4.2.1 WATER USE

- **4.2.1.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **4.2.1.2 Water Conservation Requirements**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

#### SECTION 4.2.2 OUTDOOR WATER USE

- **4.2.2.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **4.2.2.2 Outdoor Water Use**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

### DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION

#### SECTION 4.3.1 WATER EFFICIENCY AND CONSERVATION

- **4.3.1.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **4.3.1.2 Water Conservation Requirements**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

### DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

#### SECTION 4.4.1 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

- **4.4.1.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **4.4.1.2 Material Conservation and Resource Efficiency Requirements**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

### DIVISION 4.5 ENVIRONMENTAL QUALITY

#### SECTION 4.5.1 GENERAL

- **4.5.1.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **4.5.1.2 Environmental Quality Requirements**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

#### SECTION 4.5.2 DEFINITIONS

- **4.5.2.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **4.5.2.2 Definitions**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

### APPENDIX A DESIGN STANDARDS FOR RESIDENTIAL BUILDINGS

- **A.1.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **A.1.2 Design Standards for Residential Buildings**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

### APPENDIX B ENERGY STANDARDS NOTES AND STRUCTURAL OBSERVATION

- **B.1.1 General**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **B.1.2 Energy Standards Notes**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.

- **B.1.3 Structural Observation**
  - Development of any source of water shall be consistent with the minimum requirements for water conservation as prescribed in this section.
MECHANICALLY FASTEN AS NECESSARY IN CORNERS THROUGH GRACE VYCOR PLUS

* INSTALL GRACE VYCOR PLUS IN ORDER AS SHOWN BY NUMBERS

** INSTALL FLASHING AND WEATHER RESISTIVE BARRIER TO FORM WATER SHEDDING LAPS

FOLD UP WEATHER RESISTIVE BARRIER & TEMPORARILY SECURE WEATHER RESISTIVE BARRIER

HEAD FLASHING TIE-IN INSTRUCTIONS:
1. CUT, FOLD UP & TEMPORARILY SECURE WEATHER RESISTIVE BARRIER ABOVE HEADER TO ALLOW FOR FLASHING INSTALLATION
2. INSTALL GRACE VYCOR PLUS HEAD FLASHING UNDER WEATHER RESISTIVE BARRIER
3. FOLD WEATHER RESISTIVE BARRIER BACK OVER HEAD FLASHING AND SEAL WITH TAPE

ASSEMBLED WINDOW
CLOHERTY RESIDENCE
3231 LAUREL CANYON ROAD
SANTA BARBARA, CA 93105

EXISTING DECK STAIR
EXISTING STEPS
NEW GUARD RAIL TO MATCH EXISTING
EXISTING GUARD RAIL
EXISTING WOOD STONE
NEW STEPS
NOT USED
EXISTING PLAN
EXISTING 4X4 POST
NEW 4X4 POST TO MATCH EXISTING
EXISTING GATE TO REMAIN
NEW 8X8 POST
NEW POST
EXISTING ISLAND
DUCT SHAFT

EXISTING GUARD RAIL
EXISTING WOOD STOVE
EXISTING STEPS
EXISTING 4X4 POST
EXISTING 8X8 POST
NEW STEPS
NEW POST
NOT USED
EXISTING ISLAND
- New stone patio to match existing
- New 8"x8" rough timber post
- New Electric sun panel

WALL LEGEND

$$-$$$ X $$$$ X $$$$ X $$$$ X$$

FLOOR PLAN SYMBOLS

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DOOR & WINDOW SCHEDULE

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NOTE:

1. All solutions using artificial light shall have an average illumination of 6 footcandles (65 lux) at 30 inches above the floor.
2. The building area must have at least 3 ½ watts of light per square foot. The area shall have a minimum of 30 lux at any point.
3. All habitable rooms must be connected to the emergency power system. The system shall provide at least 60 minutes of emergency power.
4. Smoke alarms shall be interconnected hard-wired with battery backup and shall be installed in accordance with NFPA 72.
5. Smoke alarms shall be tested and maintained in accordance with manufacturer instructions. Smoke alarms shall be replaced after 10 years from the date of manufacture marked on the unit.
6. Conventional ionization smoke alarms that are solely battery powered shall be equipped with a 10 year battery and have a silence feature.
7. Ground-fault circuit-interrupter (GFCI) for personnel shall be provided and installed in readily accessible locations.
8. Arc-fault circuit-interrupter shall be installed to provide protection of the branch circuit.
9. Tamper-resistant receptacles shall be installed in all areas specified in 210.52, all non-locking-type 12 volt; 15- and 20-ampere receptacles shall be tamper-resistant receptacles.
10. The building area shall have water closets (toilets) which use no more than 1.6 gallons per flush.
11. As of January 1, 2014, SB 607 requires that non-compliant plumbing fixtures in residential and commercial properties built on or before January 1, 1994, be replaced with water-conserving plumbing fixtures when the property is undergoing additions, alterations or improvements.
12. All new, replacement and existing water heaters shall be strapped to the wall in two places: one in upper ⅓ of the tank and one in the lower ⅓ of the tank. The lower point shall be a minimum of 4 inches above controls.
EXISTING METAL ROOFING
EXISTING STUCCO
NEW WOOD LAP SIDING
MANUFACTURER: JAMES HARDI
COLOR: ROYCROFT BOTTLE GREEN, SW 2847, SHERWIN WILLIAMS
EXISTING FIREPLACE FLUTE
NEW FASCIA BOARD
EXISTING FASCIA BOARD
EXISTING 4X4 POST
NEW DECK GUARD RAIL
NEW DECK POST
NEW 2ND LANDING
12 NEW COPPER GUTTER TO MATCH EACH SIDE
NEW 6"X6" ROUGH TIMBER POST
NEW LIGHT SCONCE
NEW HARDI
MANUFACTURER: JAMES HARDI
COLOR: ROYCROFT BOTTLE GREEN, SW 2847, SHERWIN WILLIAMS
NEW WOOD TRELLIS
NAME: TITAN STANDING SEAM ROOF
MANUFACTURER: CUSTOM BUILT METALS
COLOR: CURIO GRAY SW0024, SHERWIN WILLIAMS
MAIN HOUSE EXTERIOR COLOR TO BE AS FOLLOWS:
COLOR: CURIO GRAY SW0024, SHERWIN WILLIAMS
NEW METAL ROOFING TO MATCH EXISTING
EXISTING METAL ROOFING
EXISTING STUCCO
NEW WOOD LAP SIDING
MANUFACTURER: JAMES HARDI
COLOR: ROYCROFT BOTTLE GREEN, SW 2847, SHERWIN WILLIAMS
EXISTING FIREPLACE FLUTE
NEW FASCIA BOARD
EXISTING FASCIA BOARD
EXISTING 4X4 POST
NEW DECK GUARD RAIL
NEW DECK POST
NEW 2ND LANDING
12 NEW COPPER GUTTER TO MATCH EACH SIDE
NEW 6"X6" ROUGH TIMBER POST
NEW LIGHT SCONCE
NEW HARDI
MANUFACTURER: JAMES HARDI
COLOR: ROYCROFT BOTTLE GREEN, SW 2847, SHERWIN WILLIAMS
NEW WOOD TRELLIS
NAME: TITAN STANDING SEAM ROOF
MANUFACTURER: CUSTOM BUILT METALS
COLOR: CURIO GRAY SW0024, SHERWIN WILLIAMS
MAIN HOUSE EXTERIOR COLOR TO BE AS FOLLOWS:
FINISH COLORS & MATERIALS

SW 2847
Royncott Bottle Green
SR-54.10 E.-86 SRI-63

Old Towne Gray
SR-40.31 E.-85 SRI-44

Weathered Copper
SR-33.50 E.-85 SRI-34

SW 0024

SW 2839
Royncott Copper Red
Interior / Exterior
Wall Legend:
- **Walls:** Light gray
- **Ceilings:** White
- **Floors:** Beige
- **Doors:** Black
- **Windows:** Gray

Note:
- The building shall have water closets (toilets), which use no more than 1.6 gallons per flush.
- All showers and tub-shower shall have a pressure balance, thermostatic mixing valve, or a combination pressure balance/thermostatic mixing type valve.
- Note: habitable rooms using artificial light shall have an average illumination of 6 footcandles (65 lux) at 30 inches above the floor.
- Smoke alarm shall be interconnected hard-wired with battery backup and shall be installed in accordance with NFPA 72.
- Smoke alarm shall be tested and maintained in accordance with manufacturer instructions. Smoke alarms shall be replaced after 10 years from date of manufactured marked on the unit.
- Conventional ionization smoke alarms that are solely battery powered shall be equipped with a 10 year battery and have a silence feature.
- Ground-fault circuit-interruption (GFCI) for personnel shall be provided and installed in readily accessible location.
- Arc-fault circuit-interruption shall be installed to provide protection of the branch circuit.
- Tamper-resistant receptacles shall be installed in all areas specified in 210.52, all nonlocking-type 12 volt; 15- and 20-ampere receptacles shall be listed tamper-resistant receptacles.
- Note: In addition to the above requirements, the building shall have water closets (toilets), which use no more than 1.6 gallons per flush.
- As of January 1, 2014, SB 607 requires that noncompliant plumbing fixtures in residential and commercial properties built on or before January 1, 1994, be replaced with water-conserving plumbing fixtures when the property is undergoing additions, alterations or improvements.
- All new, replacement and existing water heaters shall be strapped to the wall in two places, one in upper 1/3 of the tank and one in the lower 1/3 of the tank. The lower point shall be a minimum of 4 inches above controls.
ENERGY CALCULATION

Project: CLOHERTY RESIDENCE
Owner: 3231 LAUREL CANYON ROAD
        SANTA BARBARA, CA 93105

Architect: RIVER DEVELOPMENT
           400 Prospect Avenue, Monrovia, CA 91016
           (P) 626 358-2360 (F) 626 357-1716
           Carlos Parrague
           Architect
           License # C28700

Agency: CLOHERTY TIMOTHY PATRIC
        2331 LAUREL CANYON RD
        SANTA BARBARA, CA 93105

CERTIFICATE OF COMPLIANCE

The following documents include the required calculations for energy compliance.

[Documents and calculations]

Energy Analysis

[Energy analysis results]

[Energy conservation measures]

[Conclusion]

[Signature of Compliance]

[Code Compliance]

[Issued By]

[Date]

[Signature]

[Additional Notes]

[Renewable Energy]

[Energy Efficiency]

[Thermal Comfort]

[Indoor Air Quality]

[Commissioning]

[Building Automation]

[Construction Surveys]

[As-Built Drawings]
ENERGY CALCULATION

CLOHERTY RESIDENCE
3231 LAUREL CANYON ROAD
SANTA BARBARA, CA 93105

Architect:
R GUEDE
400 Prospect Avenue, Monrovia, CA 91016
(P) 626 358-2360 (F) 626 357-1716
Carlos Parrague
Architect
License # C28700

Agency:

CERTIFICATE OF COMPLIANCE

This certificate indicates that the design of the building is compliant with the requirements of the California Energy Code. The building is designed to meet the energy efficiency standards set by the California Energy Commission.

PROJECT NUMBER: T24-2
CHECKED BY: 

DRAWN BY: 

CLOHERTY TIMOTHY PATRIC
2331 LAUREL CANYON RD
SANTA BARBARA, CA 93105

DATE: 

NOTE: This certificate is valid for the duration of the building's design and construction. Any changes to the design or construction of the building must be approved by the California Energy Commission before the building can be occupied.

This certificate is issued in accordance with the California Energy Commission's regulations and is required to be displayed in the building upon completion.

Date: 

Certified by:

Project:

CLOHERTY TIMOTHY P 2331 LAUREL CANYON RD SANTA BARBARA, CA 93105

Energy:

ENERGY CALCULATION

Date: 

Certified by:

Project:

CLOHERTY TIMOTHY P 2331 LAUREL CANYON RD SANTA BARBARA, CA 93105

Energy:

Date: 

Certified by:

Project:

CLOHERTY TIMOTHY P 2331 LAUREL CANYON RD SANTA BARBARA, CA 93105

Energy:

Date: 

Certified by:

Project:

CLOHERTY TIMOTHY P 2331 LAUREL CANYON RD SANTA BARBARA, CA 93105

Energy:

Date: 

Certified by:
The property owner shall maintain all storm water BMP’s.

Mandatory Inspections by the City Building Inspector

1. Construction Numbering
2. Installation of PVC Pipe
3. Final Inspections

Inspection shall be called in by contractor for inspection 72 hour prior to sealed inspection.

The property owner shall maintain all storm water BMP’s.
**TYPICAL TRENCH SECTION**

- **Material:** Suitable Foundation
- **Zone:** Pipe Zone
- **Compaction & Material:** Per ADS recommendations
- **Perimeter:** 30"
- **Pipe Zone:** 4"
- **Pipe Bed:** 2" Bedding Material
- **Springline:** 3231 Laurel Canyon Road
- **No Traffic Loads**

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**GRADING SELF-CERTIFICATION FORM**

**PROJECT INFORMATION**
- **Project Address:** 3231 Laurel Canyon Road
- **Arch:** 069-171-004

**GRADING DETAILS**
- **Sealing - Prior to Use (S1):**
  - Cut: PR
  - Fill: PR
- **Sealing - Proposed (S2):**
  - Cut: PR
  - Fill: PR
- **Sealing Required on R3:**
  - Cut: Yes
  - Fill: Yes
- **Dewatering Sealing Location:**
  - Proposed Residential Addition

**DEGRADING OFFICER**
- **Name:** Tim Cloherty
- **Email:** tcloherty@gmail.com
- **Phone:** (805) 967-1539

**ENGINEER**
- **Name:**
- **License #:**
- **Expt. Date:**
- **Phone:**

---

**Declarations of Property Owner or Authorized Licensed Civil Engineer**

I, the property owner or an authorized agent of the owner, declare, under the penalty of perjury, that all of the information submitted is true and correct to the best of my knowledge. I also declare that the grading proposed to be performed hereon is consistent with all of the requirements of the Santa Barbara Municipal Codes as understood by the City of Santa Barbara, as well as the requirements of the grading permit. I further declare that the grading proposed to be performed hereon is consistent with all of the requirements of the grading permit.

I, the property owner or an authorized agent of the owner, declare under penalty of perjury that all of the information submitted is true and correct to the best of my knowledge. I also declare that the grading proposed to be performed hereon is consistent with all of the requirements of the grading permit.

**OWNER OR ENGINEER'S SIGNATURE:**
- **Signature:**
- **Date:**
- **Name:**
- **Title Owner or Engineer:**

---

**Building & Safety Handbook Information & Certification Form**

Page 3 of 4
EROSION CONTROL NARRATIVE

1. The proposed schedule for grading and drainage is x/x/xxxx until x/x/xxxx.
2. The potential affected area is the head waters of Lauro Canyon below Lauro Reservoir.
3. Geotechnical Engineer's report states the existing soil is alluvium (Qa) consisting primarily of reddish brown silty clayey sand.
4. The existing vegetation near the creek varies, to the north of the creek is chaparral, to the south is a combination of oak woodlands, grassy lawn, and yard landscaped areas.
5. The existing undisturbed slopes appear to be stable with little potential for erosion.
6. There is no sediment detention basin proposed.
7. Erosion and sediment control measures to be implemented for storms within 48 hours of a triggering event are depicted on this plan.
8. The person responsible for erosion and sediment control will be the contractor.
9. The estimated disturbed area during construction is 3,000 S.F. (0.069 Acres).

GENERAL NOTE

These plans are supplemented by the 2019 California Stormwater Quality Association (CASQA) Construction BMP Online Handbook.

BMP CONSTRUCTION NOTES

1. Silt fence per Typical Section on Sheet 4.
2. Straw fiber rolls per Detail on Sheet 4.
3. 3 C.Y. Portable steel concrete washout container
4. Portable restroom

PROPOSED ACCESS ROUTE NOTES

The approximate proposed access route shown on this plan will require written agreements between the project applicant and C.O.M.B., City of Santa Barbara and SoCalGas.
Polypropylene Silt Fence, 3 ft Height
By TENAX or Approved Equal.

36”
12”

MIN.
3”

MIN.
3”

Polypropylene Silt Fence

SILT FENCE
TYPICAL SECTION

STRAW FIBER ROLLS

DETAILS

PRELIMINARY
NOT FOR CONSTRUCTION

SUBMITTED 4-5-2022

3231 LAUREL CANYON ROAD - SANTA BARBARA, CA 93105

Erosion Control Details
C. Y. GEOTECH, INC.
Engineering Geology and Geotechnical Engineering
16351 San Mateo Ave., Unit M, Chatsworth, CA 91311
Tel: (818) 703-1330 Fax: (818) 703-1477 Email: reports@cygeotech.com

February 29, 2020

To: David L. Gordon
From: David L. Gordon

Subject: Foundation Plan Review

Dear David,

I am enclosing the foundation plans for your review. Please provide your comments and feedback on the plans.

Best regards,

[Signature]

CC: C.Y. Geotech Inc.
ROOF FRAMING PLAN

NOTE:
- SEE SHEET WALL SCHEDULE
- SEE ELEVATION SHEETS FOR E-1 TO E-10
-CEMENT BOARD ON INDOOR WALLS
- PRECAST CONCRETE PANELS ON LOAD BEARING WALLS

USE GIRDER FOR ALL FLOOR, MEZ & VAULT
- 8 IN. STEEL TEES OR EDGE OF SHEAR WALL SHEATHED
- 2 IN. TILTED TIE FOR SHEAR WALL 7 & 8