

COUNTY OF SANTA CRUZ  
PLANNING DEPARTMENT  
701 Ocean Street, 4<sup>th</sup> Floor  
Santa Cruz, CA 95060  
(831) 454-2580

**NOTICE OF PENDING ACTION**

The Planning Department has received the following application. The identified planner may be contacted for specific information on this application.

**APPLICATON NUMBER: 171101**

**APN: 109-141-57**

Proposal to construct a 30' x 60' non-habitable accessory structure (barn). Requires a Level IV Residential Development permit.

Property located on the east side of Country View Lane, approximately 650 feet north from Wheelock Road (248 Country View Lane).

**OWNER: Diana and Donald Miller**

**SUPERVISORIAL DISTRICT: 4**

**PLANNER: Elizabeth Cramblet, (831) 454-3027**

**EMAIL: Elizabeth.Cramblet@santacruzcounty.us**

**Public comments must be received by 5:00 p.m. January 9, 2018.**

**A decision will be made on or shortly after January 16, 2018.**

**Appeals of the decision will be accepted until 5:00 p.m. two weeks after the decision date.**

Information regarding the appeal process, including required fees, may be obtained by phoning (831) 454-2130.

**For more information, call the project planner identified above.**

LANDS OF FERNANDO ICAZA  
APN: 109-141-12

# IMPORTANT NOTICE:

In the event that archaeological resources are discovered during earthwork, all construction work within a 50 meter radius shall be stopped, the Planning Department notified, and an archaeologist retained to examine the find and make appropriate recommendations. No work shall continue until the resources have been removed and/or recorded, or the archaeologist has determined the find to be less than significant.

## EXISTING IMPERVIOUS AREA

Existing Residence & Garage = 272.0'²  
Existing Driveway = 1496.0'²  
Existing Paved = 1376.0'²  
Existing Walkways = 1328.0'²  
TOTAL = 4992.0'² = 0.16 acres

## PROPOSED NEW IMPERVIOUS AREA

Building Apron/Walkway = 679.0'²  
Proposed Building = 1800.0'²  
5000 Gal Storage Tanks Pad = 104.0'²  
TOTAL = 2743.0'² = 0.06 acres

## PARCEL AREA

2.51 ± Acres Gross  
0.16 ± Acres R/W  
0.04 ± Acres Water Line/Well Easement  
2.31 ± Acres Net

PROPOSED 30' X 60' X 15' - 8 1/2" max.  
AG. STORAGE BUILDING WITH  
Surrounding Concrete Walkway - Metal  
Building sits on top of 2" concrete wall.

The SLOPE in the vicinity  
of the proposed building  
is 2% max in the direction  
as shown by the arrows

Existing  
15 HP, 240V, 3-Ø Submersible Pump  
connected to a 2" Dia. Galv.  
Inlet Pipe. Pump Capacity is  
100 gals/minute at top of wellhead.

Existing Concrete  
Pad (9.5' x 11') AND  
3 WATER STORAGE  
PRESSURE TANKS  
(850 gals. Total)

Fire Hydrant Details See  
Drawings & Quail  
Page Drawings

Two 5000 Gal. Water  
Storage Tanks on a  
11' x 24' x 5" Steel  
Reinforced Concrete  
Slab

Max. Ridge Height  
Above Final Grade  
15' 8 1/2" ± 3/4" ± 1/8"  
(Refer to Sheet 1/2 of Quail Building  
Eng. Drawings. Top of Slab is  
3 1/2" max. above Final Grade)

PROPOSED  
Wholesale/Distribution  
Office

EXISTING  
FIRE HYDRANT  
CONNECTION  
6000 GALS/HOUR

14. As a required condition of submittal of these plans, the submitter, designer and installer certify that these plans and details comply with applicable Specifications, Standards, Codes and Ordinances, and further agree to correct any deficiencies noted by this review, subsequent review, inspection or other source, and, to hold harmless and without prejudice, the reviewer and reviewing agency.

SHEET INDEX	
1 - Site Plan (Cover Page)	
2 - Drainage Plan	
3 - Quail Buildings	(ASK4 Engineering, Inc.)
Sheet 1/2, Engineering	
Elevations & Foundation	
4 - Quail Buildings	(ASK4 Engineering, Inc.)
Sheet 2/2, Engineering	
Structural Details	

REVISIONS	
1	7/12/2017
2	11-19-2017

- NOTES:
- These plans are in compliance with the California Building and Fire Code (2016 edition) and Santa Cruz County Amendments.
  - A 100 foot clearance shall be maintained around and adjacent to the building or structure to provide additional fire protection or fire break by removing all brush, flammable vegetation, or combustible growth. EXCEPTION applies to single specimens of trees, ornamental shrubbery or similar plants used as ground covers, provided they do not form a means of rapidly transmitting fire from native growth to any structure.
  - The driveway at the parent residence has a minimum width of 22' and length of 67', and complies with the 2016 California Fire Code Sections 903.2.1 and 503.2.2 and for the Fire Truck turn around rail - i.e., the 28' inside radius and the 48' outside radius requirements.
  - The two 5000 gallon water storage tanks shall be installed per NFPA 24 and preapproved by the SCC Fire Marshall's office, and a separate permit application shall be submitted.
  - All underground plumbing to and from the water storage tanks, the half fire hydrant, and the water source (with an approved control valve) for the storage tanks shall comply with Santa Cruz County's Standard 770-006 and shall require a separate plot submittal and permit approval prior to installation. The hydrant shall be painted red.
  - This building is exempt from Section 903.2.1 per exception 3 of the California Fire Code. Sprinkler requirement because the Agricultural building does not exceed 2000 sq. ft., the height is less than 25 feet, it has a clear and unobstructed side yard exceeding 60 feet in all directions, and it is located within an Agricultural road district as defined in the Santa Cruz County Planning Code.
  - See the "Drainage Plan" for details regarding floor plan, drainage design, and walkway design, maximum building height above final grade, and the final grade design.
  - See "Quail Buildings" plans (2 sheets) prepared by ASK4 Engineering, Inc. and the "Structural Calculations" (22 sheets plus cover page and sheet index) prepared by "ASK4 Engineering, Inc." for further detailed information regarding the steel building design, specifications, calculations, the steel reinforced concrete floor, pony walls and foundation design specifications, and for all side and end view elevations.
  - SRA = MODERATE, WUI REQUIREMENTS APPLY.
  - All building material complies with U-790 Fire Resistor Rating Class A, per building code and U-263 - per assembly. (See ASK4 Engineering Calculations, sheet P11). All windows shall be dual pane with one pane tempered per CRC R337.8.2.1. There are no roof vents or valleys, and there are no windows in any door. All doors are steel. All eaves and soffits are enclosed with noncombustible 16 gauge minimum steel sheathing per CRC R337.7.5. All gutters shall have gutter guards per CRC R337.5.4.
  - The building shall contain no interior walls.
  - No inside electrical or plumbing is required at this time.
  - The job copies of building and fire systems plans and permits must be onsite during inspections.

Building & Foundation  
Structural Engineer

Seth M. Light, SE  
ASKS Engineering, Inc.  
18765 SE Jacoby Road  
Sandy, OR 97055  
Tel: 888-0269-5424

SITE PLAN OF LANDS OF  
DONALD K. MILLER & DIANA M. MILLER  
APN: 109-141-57  
248 COUNTRY VIEW LANE  
SANTA CRUZ COUNTY CALIFORNIA

PREPARED BY  
DONALD K. MILLER, OWNER/BUILDER  
1402 LEXINGTON WAY LIVERMORE, CA 94550  
TEL: 925-443-9153  
E-MAIL: Don K.Miller@sbcglobal.net

SCALE 1" = 20' MARCH 2017

# **NOTES:**

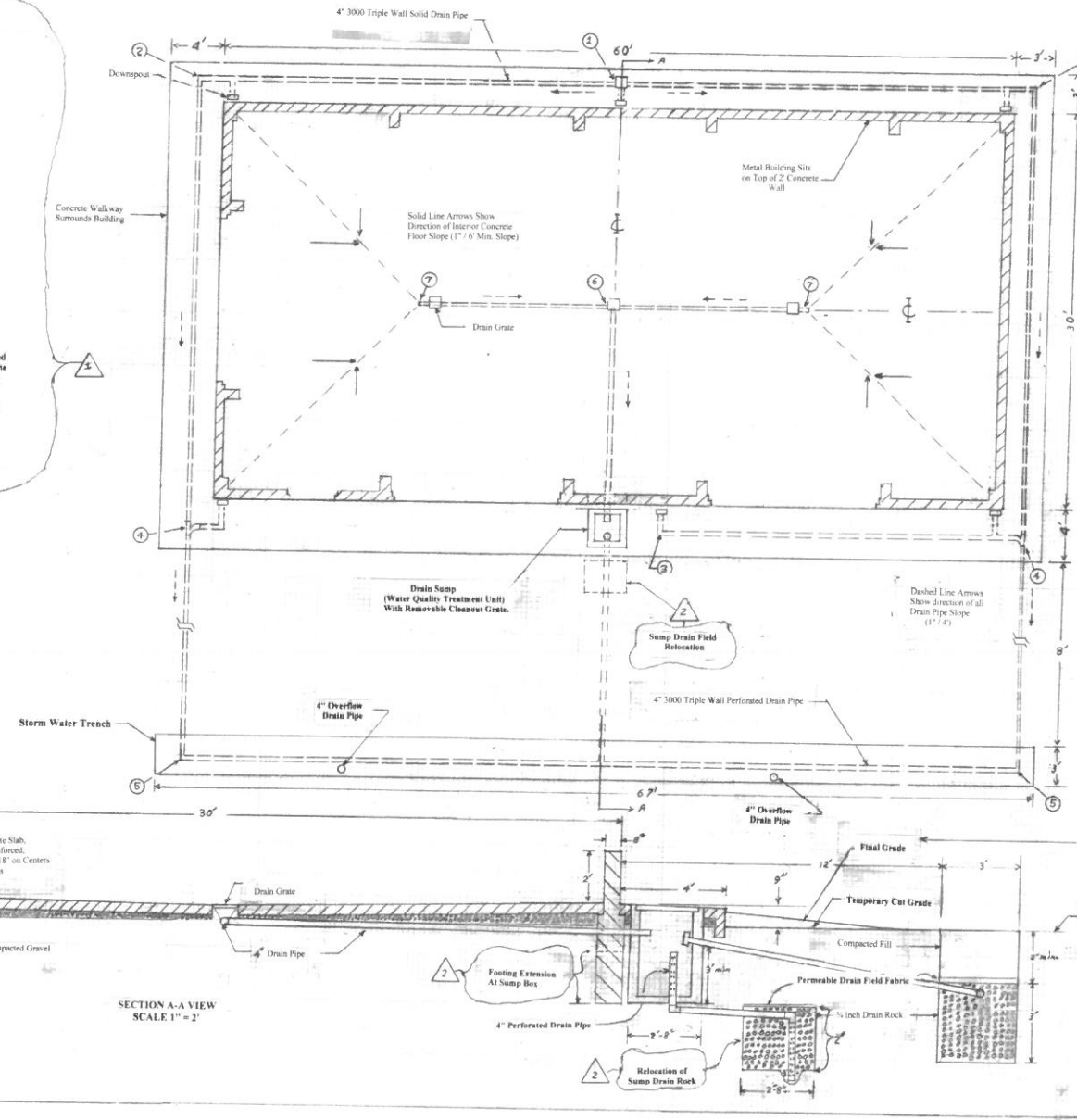
1. Drain Sump Pit/Collection Box Shall Comply With Figure SWM-12 of Santa Cruz County's 2017 DESIGN CRITERIA, PART 3, STORM WATER MANAGEMENT.
  2. The Building's interior Concrete floor slopes downward from all Perimeter walls toward the middle of the interior of the building as shown. All liquids drain toward the three interior drains, then are directed by the subfloor drain pipes to the outside Sump. Interior liquids cannot escape and must pass through the Sump before passing to the drain trench.
  3. There are no interior walls inside this building.
  4. All downspouts empty directly into the buried 4" drain pipes as shown on the left end of Section A-A.
  5. All drain pipe is 4" dia., smooth wall, HDPE pipe and is solid wall except the pipes specifically labeled as 4" perforated pipe.
  6. Cross Section A-A shows the "Temporary Cut Grade", the "Final Grade", and the natural or "Existing Grade".
  7. The peak building, Ridge height is 15' 8 1/2" above the top of the concrete floor measured at the exterior walls. [See section A-A of this drawing and page 1/2 of the Quail building drawings.] The concrete floor at the exterior walls shall be approximately 3" above the final grade. Thus, the peak ridge height of the building should be slightly less than 16' above final grade.
- Please note that the outside of the building is completely surrounded with a concrete walkway which slopes away and downward from the Building as does the final grade. [See section A-A on this drawing.]
8. The overflow pipes for the drain trench are 4" perforated HDPE Drain pipe and extends downward vertically into the bottom of the trench and allows any overflow to drain away from the Building and out into the field.

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SYMBOL DEFINITIONS	
Symbol	Depth below "Cut Grade" to Centerline of Drain Pipe
1	7"
2	15"
3	18"
4	24"
5	27"
6	11.5'
7	8.5'

REVISIONS	
1	7/12/2017
2	11-19-2017



The downward slope of the final grade (6" per 10') shall apply to all four sides of the building and out 100' from all exterior walls as shown here in this cross-sectional view.

**DRAINAGE PLAN OF LANDS OF  
DONALD K. MILLER & DIANA M. MILLER**

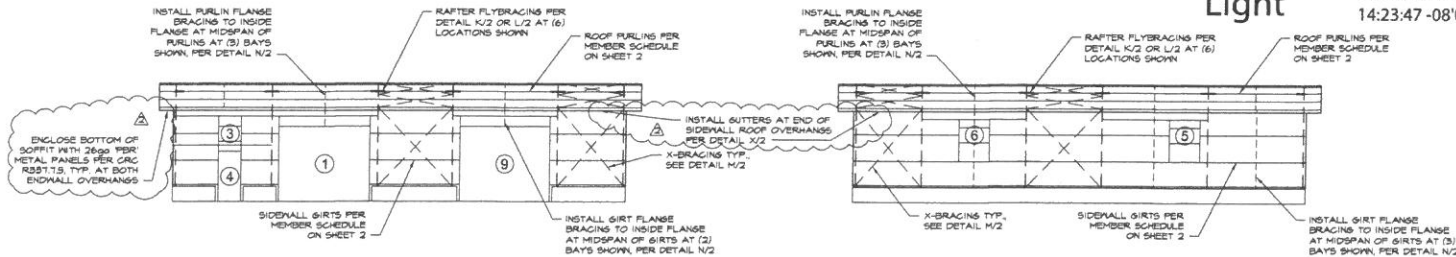
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248 COUNTRY VIEW LANE  
SANTA CRUZ COUNTY CALIFORNIA

PREPARED BY:  
DONALD K. MILLER, OWNER/BUILDER  
1402 LEXINGTON WAY, LIVERMORE, CA 94550  
TEL. 925-443-9153  
E-MAIL: Don.K.Miller@sbcglobal.net

SCALE 1" = 4' JULY 2017

Seth M  
Light

Digitally signed by  
Seth M Light  
Date: 2017.11.18  
14:23:47 -08'00'



2 SIDEWALL EXTERIOR ELEVATION  
1 SCALE: 1/8" = 1'-0"

TYPICAL ENDWALL OVERHANGS INFORMATION:  
1) CONTINUE ROOF PURLINS 24" MAX. BEYOND OUTSIDE FACE OF ENDWALL GIRTS AND ENCLOSE PURLIN ENDS WITH 6" x 2" x 1/4" CHANNEL (INSTALL R/O SCREEN MIN. AT EACH CHANNEL FLANGE TO PURLIN).  
2) INFILL BETWEEN CHANNEL AT PURLIN ENDS AND 'OUTRIGGER' AT ENDWALL FRAME (SEE DETAIL 0/2) WITH TYP. STEEL ROOF PURLIN.  
3) INFILL WITH PURLIN MATERIAL BETWEEN PURLINS ABOVE ENDWALL RAFTER TO SEAL OFF BUILDING OR ENCLOSE BOTTOM OF OVERHANG WITH MATERIAL OF CUSTOMER'S CHOICE.

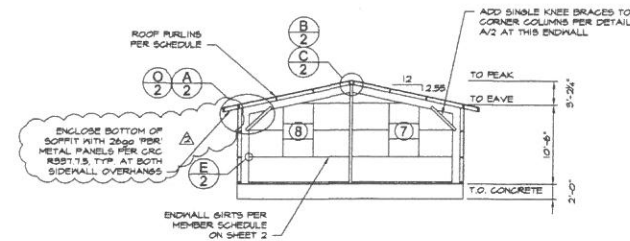
3 SIDEWALL EXTERIOR ELEVATION  
1 SCALE: 1/8" = 1'-0"

NOTE: BUILDING IS LOCATED IN A SEA-MODERATE WIND ZONE. BUILDING, INCLUDING WINDOWS, SHALL BE IN COMPLIANCE WITH ALL WJ STANDARDS.

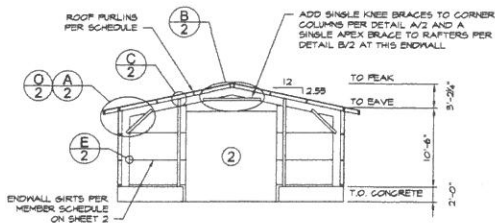
NOTE: SEE DETAIL K/2 FOR CLEARSPAN FRAME RAFTER FLYBRACING REQUIREMENTS.

TYP. CROSS-SECTION AT C.S. FRAME

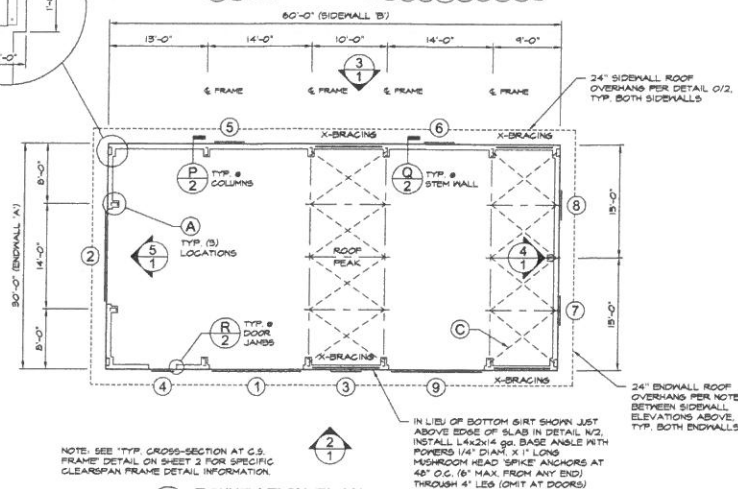
SCALE: NO SCALE



4 ENDWALL INTERIOR ELEVATION  
1 SCALE: 1/8" = 1'-0"



5 ENDWALL INTERIOR ELEVATION  
1 SCALE: 1/8" = 1'-0"



NOTE: SEE 'TYP. CROSS-SECTION AT C.S. FRAME' DETAIL ON SHEET 2 FOR SPECIFIC CLEARSPAN FRAME DETAIL INFORMATION.

IN L.I.B. OF BOTTOM GIRT SHOWN JUST ABOVE EDGE OF SLAB IN DETAIL N/2. INSTALL 1/4" DIA. X 1' LONG MUSHROOM HEAD 'SPIKE' ANCHORS AT 48" O.C. 16" MAX. FROM ANY END, THROUGH 4" LEG (HIT AT DOORS).

1 FOUNDATION PLAN  
1 SCALE: 1/8" = 1'-0"

# PROJECT DESIGN CRITERIA

COLLATERAL ROOF LOAD: 5.0 psf  
GROUND SNOW LOAD: 0.0 psf  
ROOF SNOW LOAD: N/A  
ROOF LIVE LOAD: 20.0 psf  
WIND SPEED: 110 mph  
WIND EXPOSURE: C  
Ss: 2.238 Sds: 1.492  
Sl: 1.043 Sdl: 1.043  
SEISMIC DESIGN CATEGORY: E ('short' period) E ('1-sec.' period)  
R transverse: 3.0 R longitudinal: 3.0  
SOIL BEARING PRESSURE: 1500 psf  
WIND DESIGN IS BASED ON THE 'RAPID-SOLUTIONS' METHODOLOGY FOR WIND DESIGN BY STRUCTURAL ENGINEERS WASHINGTON BASED ON THE DIRECTIONAL DESIGN PROCEDURE (ASCE 7, CHAPTER 27).  
SEISMIC DESIGN OF LATERAL FORCE-RESISTING SYSTEMS ARE AS FOLLOWS:  
-- TRANSVERSE: ORDINARY STEEL MOMENT FRAME (SEISMIC DESIGN IS BASED ON ASCE SECTIONS 12.1 - 12.13)  
-- LONGITUDINAL: ORDINARY STEEL BRACED FRAME (SEISMIC DESIGN IS PERFORMED USING THE SIMPLIFIED DESIGN PROCEDURE (ASCE 7, SECTION 12.14)).  
DESIGN BASE SHEAR IS SHOWN ON CALCULATION SHEET M2.

## DETAIL KEYS

- (A) ENDWALL COLUMN (SEE DETAIL C/2 FOR TOP CONNECTION AND G/2 FOR BASE CONNECTION)
- (B) ---
- (C) X-BRACING IN RAFTER ABOVE (SEE DETAIL M/2)

## WALL OPENING SCHEDULE

DOOR	WIDTH	HEIGHT	OPENING TYPE	HEADER GIRT	OPENING JAMBS
1	12'-0"	10'-0"	ROLL UP DOOR	SINGLE	CHN X3X16
2	12'-0"	12'-0"	ROLL UP DOOR	SEE NOTE #4	CHN X3X16
3	8'-0"	2'-0"	WINDOW	SINGLE	CHN X3X16
4	8'-0"	6'-6"	PERSONNEL DOOR	SINGLE	CHN X3X16
5	4'-0"	2'-0"	WINDOW	SINGLE	CHN X3X16
6	4'-0"	2'-0"	WINDOW	SINGLE	CHN X3X16
7	4'-0"	2'-0"	WINDOW	SINGLE	CHN X3X16
8	4'-0"	2'-0"	WINDOW	SINGLE	CHN X3X16
9	12'-0"	10'-0"	ROLL UP DOOR	SINGLE	CHN X3X16

NOTES:  
1) JAMB MEMBERS SHOWN AS 'CHN' ARE CHANNEL MEMBERS (WITHOUT STIFFENER LIPS). FIRST NUMBER IS WEB DEPTH IN INCHES, SECOND NUMBER IS FLANGE WIDTH IN INCHES, AND THIRD NUMBER IS MATERIAL THICKNESS (GAUGE).  
2) SEE DETAIL J/2 FOR DOOR OPENING FRAMING INFORMATION WITH CHANNEL JAMBS.  
3) SIZE OF HEADER GIRT MEMBER TO BE SAME AS SIDWALL OR ENDWALL GIRT, AS APPROPRIATE, PER MEMBER SCHEDULE ON SHEET 2. AT WINDOWS, INSTALL HEADER GIRT SPECIFIED ABOVE AND BELOW WINDOWS, UNO.  
4) AT OPENINGS NOTED, INSTEAD OF ATTACHING DOOR JAMBS TO HEADER GIRT ABOVE OPENING, ATTACH DOOR JAMBS TO UNDERSIDE OF ENDWALL RAFTERS.



ASK4 Engineering, Inc.  
16145 SE Jacobi Road  
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(503) 261-9414



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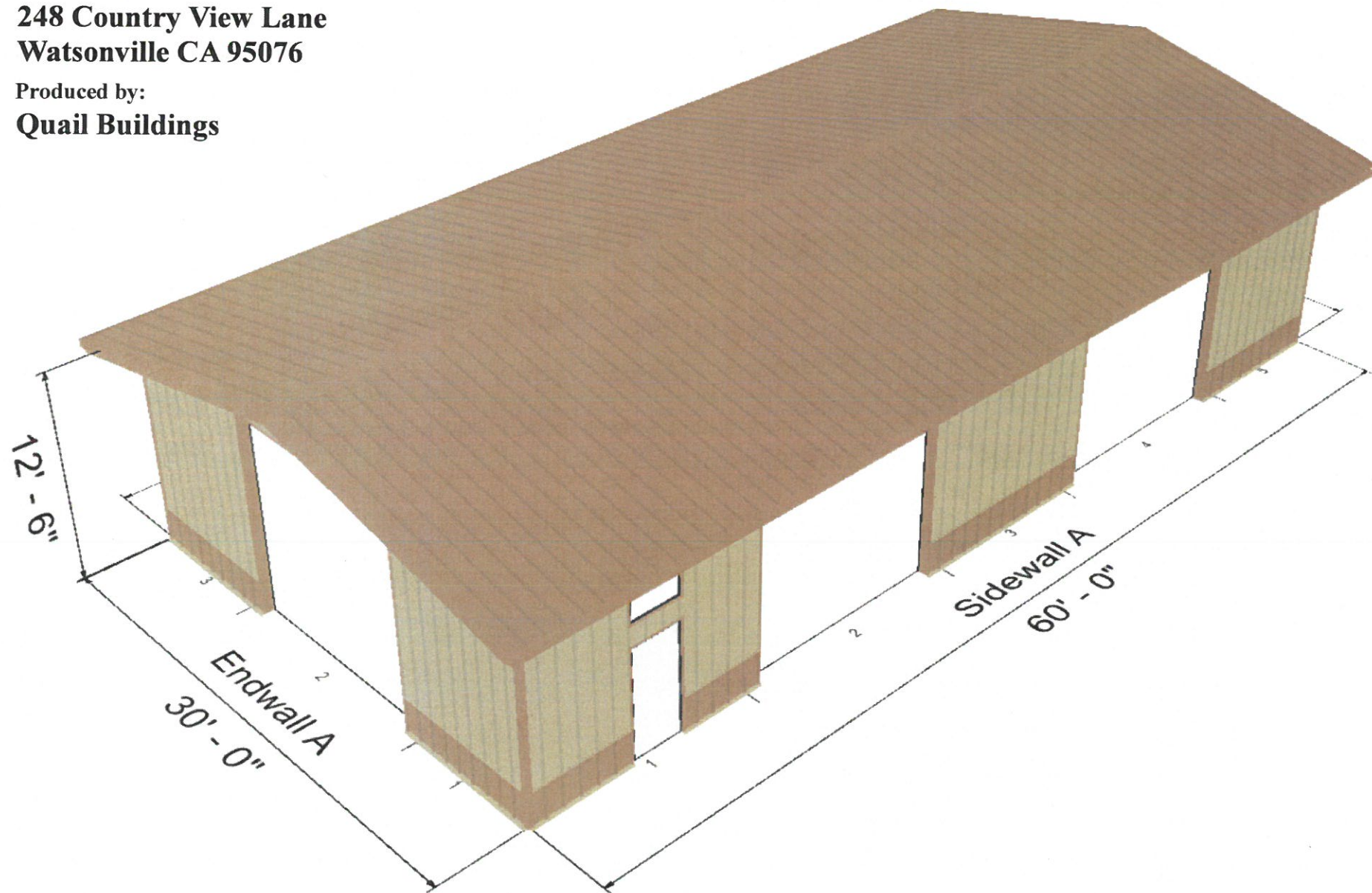
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JOB ADDRESS:   
DRAWN: jll / sml  
CHECKED: sml  
DATE: 3/23/2017  
JOB NO: UWAT70423383  
SHEET: 1 OF 2





Building created for:  
**Don Miller**  
**248 Country View Lane**  
**Watsonville CA 95076**

Produced by:  
**Quail Buildings**



UWAT70423383 - 11/28/2017