

Project Scope Statement From Team3 PMGT 501

by

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Work Breakdown Structure 2.7

Project Scope Statement: Home Construction

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Project Scope Statement

Project Objective:

To build a high-quality, single family house within 9 months with a budget not to exceed \$1,000,000.

Deliverables:

1. A 3,500 square-foot finished home, with 4 bedrooms and 4 bathrooms.
2. Exterior finish in accordance with
3. Solar energy installation in accordance with the California Energy commission
4. A 2-car, detached, finished garage, insulated and sheet rocked with an attic storage area and with built-in connection for electrical vehicle recharging.
5. Attached to back of the garage renewable energy battery support building/room.
6. Stainless steel kitchen appliances, to include dual gas range, dual ovens, built-in microwave and dishwasher.
7. Interior finish using environmentally preferable materials according to ASID Sustainable Design Council
8. Integrated intelligent control systems for lighting, heating, ventilation and air conditioning (HVAC), and entertainment.
9. Leadership in Energy and Environmental Design (LEED) certification.

Milestones:

1. Architectural design started – 1 Jan 15
2. 30% design review – 23 Jan 15
3. 60% design review – 13 Feb 15

4. 90% design review – 27 Feb 15
5. Design complete – 13 Mar 15
6. Permits approved, construction begins – 27 Mar 15
7. Excavation for foundation and geothermal HVAC system completed. 7 Apr 15
8. Foundation complete – 17 Apr 15
9. Framing complete – 22 May 15
10. Roofing complete –
11. Heating, ventilation and air conditioning (HVAC) system installed 1Jun 15
12. Plumbing, electrical and mechanical installed – 26 Jun 15
13. Telephone/internet/security and solar/wind power support wiring Install 26 Jun 15
14. Plumbing, mechanical, electrical inspections passed – 17 Jul 15
15. Preliminary construction review – 22 May 15
16. Exterior finish -
17. Drywall installed – 7 Aug 15
18. Appliances -
19. Interior finish carpentry –
20. Finish fixtures -
21. Finish flooring –
22. Landscaping complete – 23 Sep 15
23. Final inspection and acceptance by owners – 30 Sep 15

Technical Requirements

The renewable energy sources must initially provide for 2000 KWH per month from onsite i.e. solar and wind generation, upgradable to full energy independence later with home owner investment. The design must facilitate the use of natural lighting as much as possible using skylights and energy efficient windows. Each room must have security, internet, cable TV, and motions sensing to indicate room occupation to be used with HVAC zoning, and automated lighting options for more efficient energy use. All appliances shall have the highest energy efficiency ratings. The structure will be built with a minimum of 2 X 6 inch framing to allow for increased insulation and structural stability. Communications system will be designed with most recent available technology. A geothermal heat pump system will provide heating and air conditioning to allow solar panels to be used primarily for power generation.

Limits and Exclusions

Limitations of the scope of this project exclude:

- 1) Providing electrical power, sewage, natural gas, and water services to the building site,
- 2) Development of driveways beyond 500 feet from the building site,
- 3) Interior finish beyond drywall installation,

Customer Review

This scope statement serves to establish an understanding and agreement that the deliverables of this project outlined above are in accordance with customer expectations. Interim approvals for these deliverables will be sought to ensure your ongoing satisfaction with our

progress. Modifications to the scope may be submitted during the planning and execution phases of this project. However, these will constitute Change Orders, potentially requiring changes to cost or schedule.

If, during the project, there are any issues or concerns please alert our organization as soon as possible. We look forward to serving you in this effort and look forward to our ongoing collaboration. Please sign and date two copies of this letter; one for your records, and the other for our records.

X_____ (Signature of Customer)

Date_____

References

- American Society of Interior Designers. (2014). *Guide to ecolabels*. Retrieved from [http://www.asid.org /sites/default/files/ASID_Guide_to_Ecolabels_2011.pdf](http://www.asid.org/sites/default/files/ASID_Guide_to_Ecolabels_2011.pdf)
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- Gambrel, B. (Ed.). (2013). *Microsoft official academic course: Microsoft Project 2013*. Hoboken, NJ: Wiley & Sons.
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