



ENGINEERS
SURVEYORS
PLANNERS

August 14, 2017

Ray Bertoldi
Bertoldi Architects
2726 Harrison Blvd.
Ogden, UT 84403

Re: BA 1606 Yehuda Residence (LEI #2017-2259)

To Whom It May Concern:

We understand that there is a concern with the 1606 Yehuda Residence located on lot #65 in the Summit Powder Mountain Subdivision in Eden, Utah. We have reviewed the city comments dated August 9, 2017 and we have the following response

1. Item S1 – The General Framing Notes on Sheet SD.0 have been revised to include the requirement from IBC 2304.10.5.1.
2. Item S2 – The building jogs are 2' or less which is not significant enough to hinder the diaphragms ability to transfer shear.
3. Item S3.A – Footing FT2 has been changed to be 20" wide. See the revised plans and calculations.
4. Item S3.B – The foundation wall schedule has been revised so that FW3A and FW3B meet the 42" frost depth recommended in the geotechnical report. See the revised plans and calculations.
5. Item S3.C – Details 16/SD.1 and 17/SD.1 have been revised to resolve the conflict with the foundation wall schedule. See the revised plans and calculations.
6. Item S3.D – The plans have been revised to locate detail 19/SD.1 in the correct location.
7. Item S4.A – The Basis of Design has been updated to reflect the correct snow load. See the revised plans.
8. Item S5.A – Beam RB5 has been checked for the out-of-plane loading incurred when the low diaphragm is in compression and is structurally adequate. Detail 4/SD.1 has been revised to include LTS12 twist straps at 64" o.c. for the tensile loading of the low diaphragm.
9. Item S5.B – The connection shown in detail 11/SD.1 will place the edge nailing and wood members in shear transferring the force between the diaphragms. As such the connection provided is structurally adequate.
10. Item S5.C – Sheet S3.0 has been revised to require a DTT2Z deck tie at each end of the deck into the foundation wall.

Please call if you have any questions or concerns. Thank you.

Sincerely,

Aaron B. Roper
LEI Consulting Engineers & Surveyors, Inc.

Reviewed by:

Joshua K.S. Anderson, S.E.
Principal Engineer



- Civil Engineering
- Structural Engineering
- Surveying
- Land Planning
- Landscape Architecture