

General Notes:

- All helix foundations and pier caps shall be as manufactured by Magnum Piering Inc. or equivalent.
- Slope ground surface to drain away on all sides. In areas where sidewalks or paving do not immediately adjoin the structure, this slope should have a minimum grade of 10% for at least 10 feet.
- Exterior slabs shall be isolated from the rest of the structure.
- Helix foundation installation should be observed by a representative from Secure Foundations and Structures, Inc. (SFS) 471-6735 or other geotechnical engineer to verify installation torques and minimum depth.
- All framing lumber shall be Hem-Fir No. 2 or better. F_v=2500 psi, F_y=15 psi, F_c=405 psi, E=1,300,000 psi.
- T/J Joists shall be by Trus Joist MacMillan or equivalent.
- TimberStrand beams and headers shall be by Trus Joist MacMillan or equivalent.
- Sheath all exterior walls with minimum 7/16" thick shear panels conforming to UBC grade structural I. Nail panels with 8d nails at 4" o.c. at all edges and 12" o.c. at intermediate members.
- All connections shall be Simpson Strong-Tie or equivalent.
- All construction shall be in conformance with the latest edition of the Uniform Building Code.
- Structural design is based on the following loads and general design criteria.
 Live Loads: Roof=30psf Floor=40psf
 Wind Shear: Roof=30psf Exposure B
 Seismic Zone=1
- Provide cross-ventilation under floor system. Total of all vent openings shall exceed 23 sq ft open area.
- Provide minimum 3/4" thick plywood tongue and groove floor sheathing attached with 8d nails spaced at 6" o.c. along beams, joists, and intermediate framing members.
- All interior and exterior walls to be framed with 2x4 studs at 16" o.c. Exterior walls shall have double top plates. Use minimum (2) studs built-up and nailed with 16d nails at 24" o.c. at each exterior wall corner. Studs are to be Hem-Fir Larch Stud Grade and better. F_v=15psi, F_y=15psi, F_c=500psi, E=1,300,000 psi.
- All TimberStrand beams shown can be replaced with equivalent size Microlam, ISE.
- Use Wolmanized TimberStrand for all drop beams with in 12" from ground surface.
- Contractor to verify all measurements prior to construction.

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PLAN NOT VALID WITHOUT ORIGINAL SET STAMP

PROJECT NAME:

PROJECT NAME

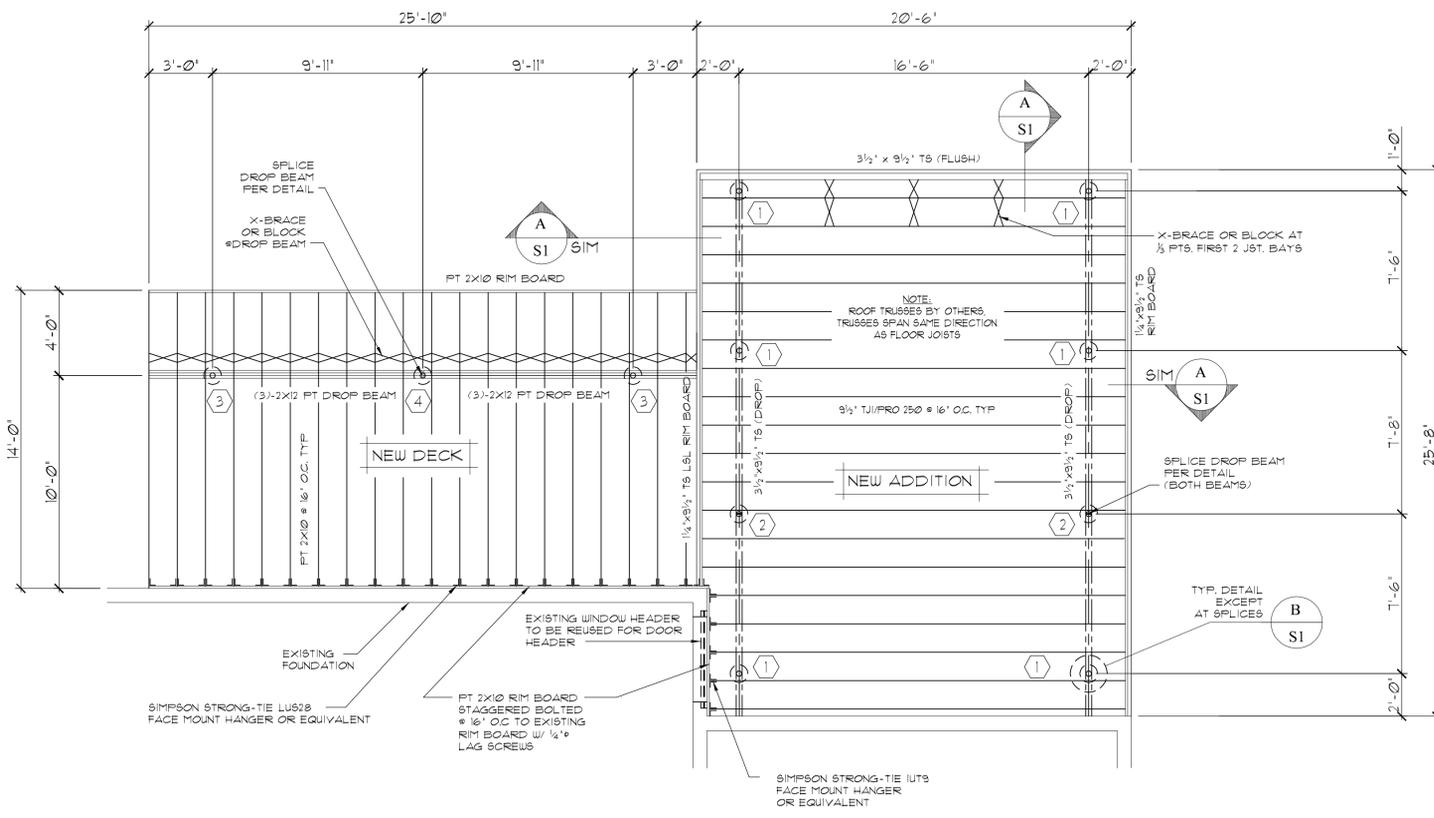
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 STREET ADDRESS
 CITY, STATE

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 STREET ADDRESS
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 Contact: Your Name
 Your Number

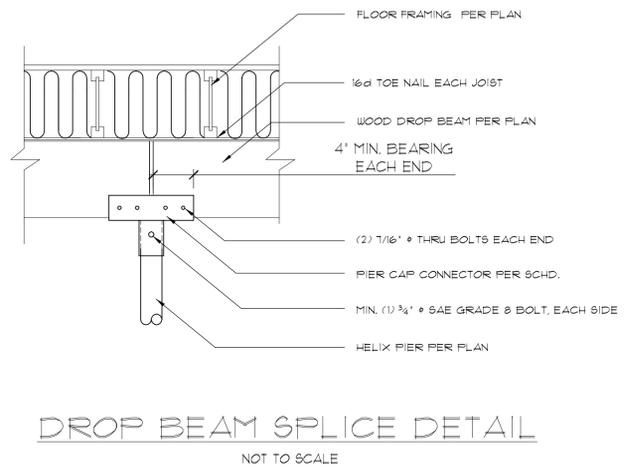
FOUNDATION & FRAMING PLAN

DESIGNED BY: MMB DATE: 5/26/09
 DRAWN BY: MMB SCALE: AS SHOWN
 CHECKED BY: HAP
 PROJECT NO: RMB08

SHEET: S1



FOUNDATION PLAN
 SCALE 1/4" = 1'-0"



TYPICAL HEADER SCHEDULE

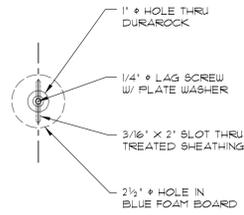
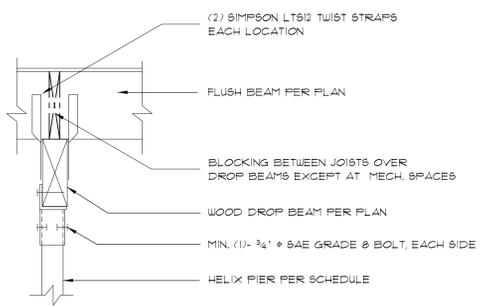
- DOOR/WINDOW OPENING: 2 FEET OR LESS
 (2) - 2 x 8 w/ 1-2x TRIMMER
- DOOR/WINDOW OPENING: 2 FEET TO 4 FEET
 (2) - 2 x 10 w/ 1-2x TRIMMER
- DOOR/WINDOW OPENING: 4 FEET TO 6 FEET
 (2) - 2 x 12 w/ 2-2x TRIMMER

NOTE: See the plan for larger openings. For all headers supporting Girder Truss or other point loads contact the engineer if specific size not shown on plan.

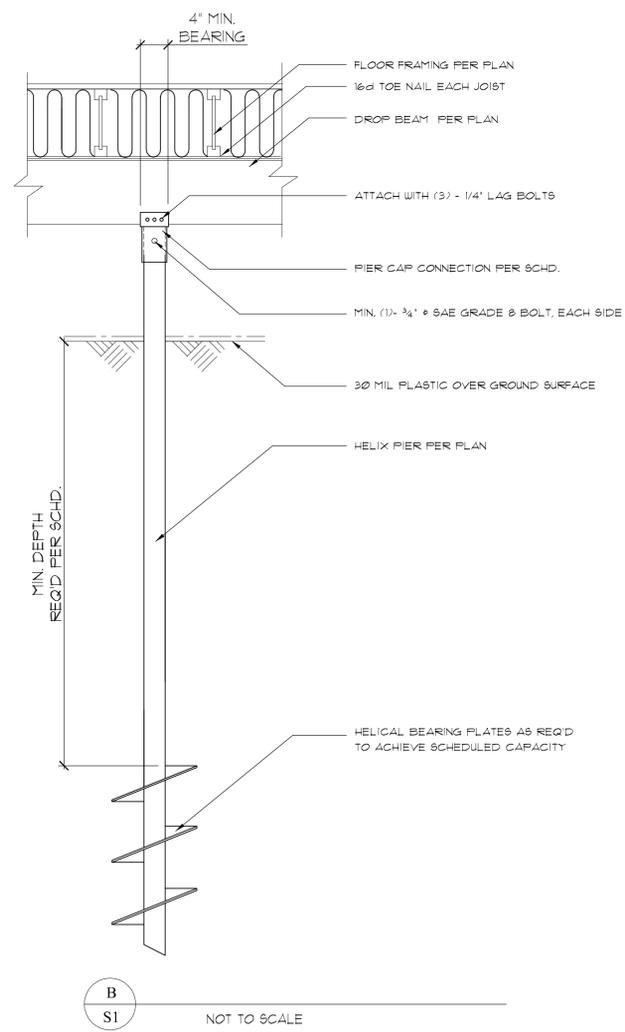
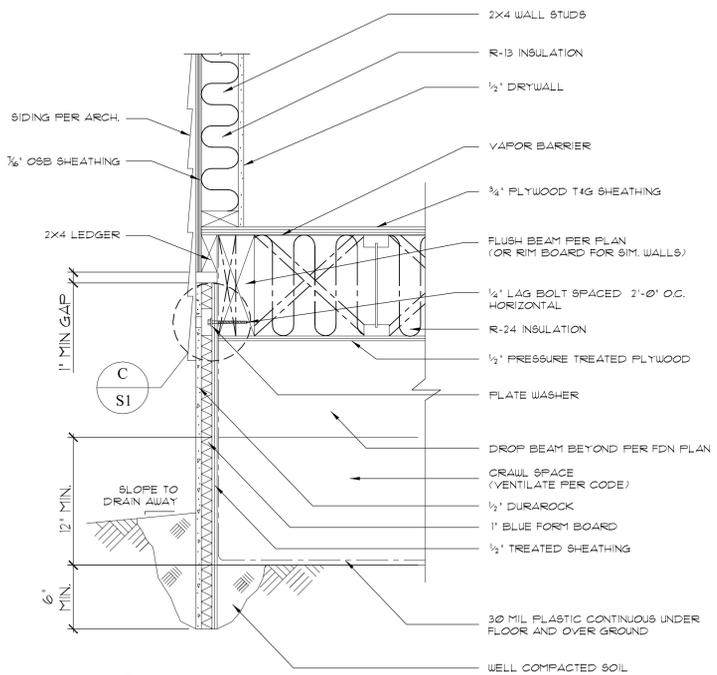
HELIX FOUNDATION SCHEDULE

SYMBOL	QUANTITY	DESIGN CAPACITY	MIN. LENGTH*	PIER CAP CONNECTION	NOTES
1	6	12 KIP5	8' (FT)	MP1920 4x4 OR MP1915 WOOD BEAM CAP	MIN. 0.250 WALL HELIX SHAFT (STD. DUTY)
2	2	12 KIP5	8' (FT)	MP1915 WOOD BEAM CAP	MIN. 0.250 WALL HELIX SHAFT (STD. DUTY)
3	2	6 KIP5	4' (FT)	MP1920 4x4 OR MP1915 WOOD BEAM CAP	MIN. 0.125 WALL HELIX SHAFT (LGT. DUTY)
4	1	6 KIP5	4' (FT)	MP1915 WOOD BEAM CAP	MIN. 0.125 WALL HELIX SHAFT (LGT. DUTY)

* MIN. DISTANCE BETWEEN GROUND SURFACE AND UPPERMOST HELICAL BEARING PLATE



C S1
 SCALE: 3/4" = 1'-0"



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