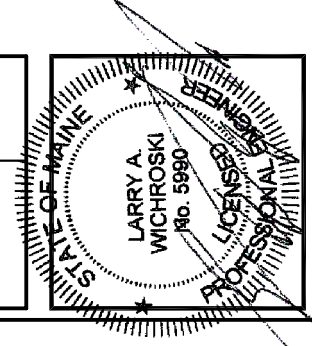




**ALEX FISHER RESIDENCE**  
67 HIGH STREET  
PORTLAND, MAINE  
**SECOND FLOOR FRAMING PLAN & NOTES**



DESIGNED BY:	Larry Wichroski, P.E.
DRAWN BY:	LAW
JOB NO.:	1207
DATE:	07-10-2012

REVISIONS:	08-09-2012
SHEET:	CS

**STRUCTURAL NOTES:**

**CODE:** Comply with the 2009 International Residential Code.

**DESIGN LOADS:**

Dead Loads: Roof = 15.0 psf., Floor = 10.0 psf.  
Live Loads: Roof = 45.0 psf. (Plus Drift), 1st Floor = 40.0 psf, 2nd Floor = 35.0 psf.  
Wind Load: Building = 28.0 psf

**DO NOT BACKFILL FOUNDATION WALLS UNTIL FIRST FLOOR FRAMING IS COMPLETE.**

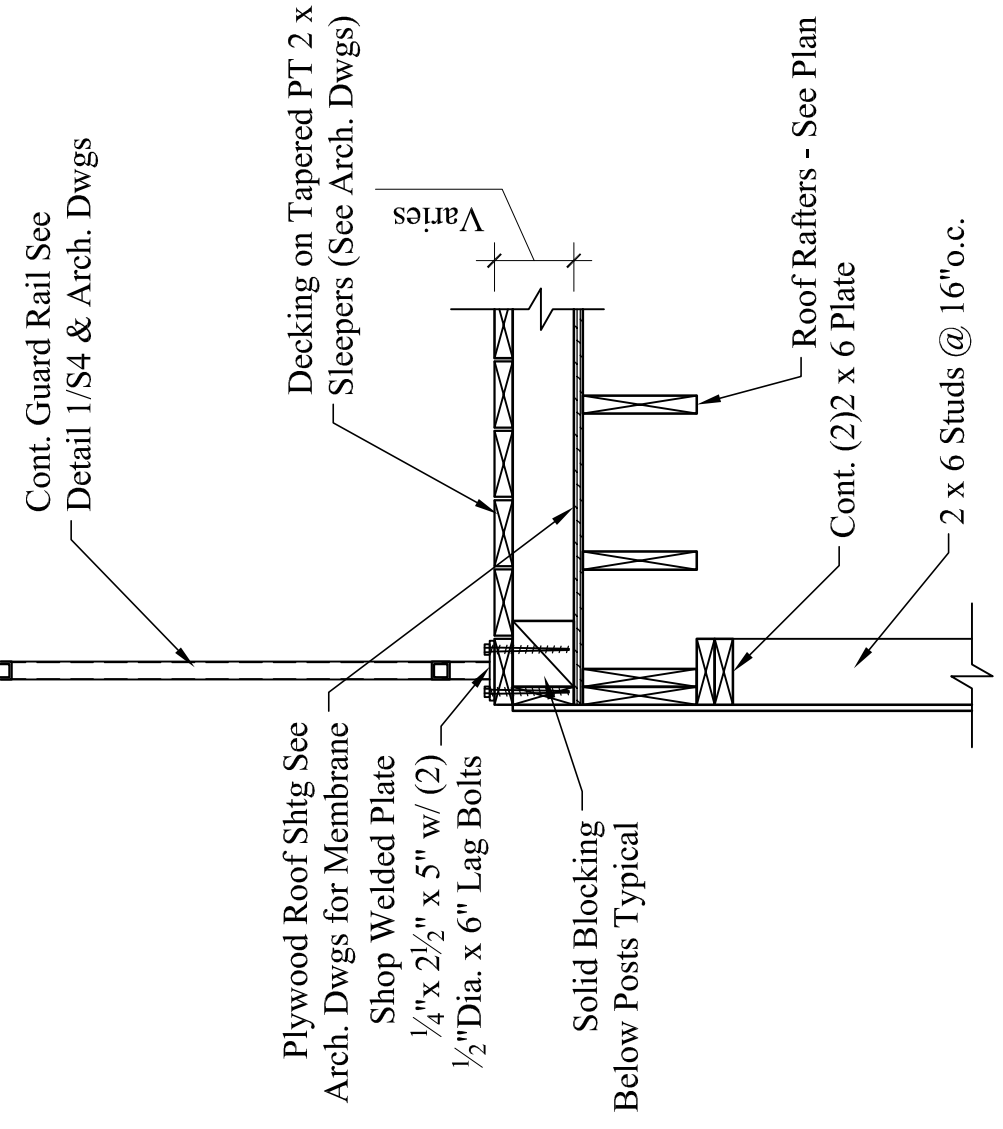
- Bear footings on firm, undisturbed dense native soil at 4"-0" minimum below lowest adjacent finish or natural grade, which ever is lower. Step footings to achieve these depths as required.
- Assumed soil bearing pressure = 2,000 psf.
- Place foundation concrete on clean, firm, dry bearing material.
- Engineer shall be notified if stone ledge or marine clay is found during excavation.
- Install 4" dia. perforated drain tile (rotate perforations to top of pipe) on exterior and interior of footing perimeter. Wrap all drain tile in filter fabric and encase with 3/4" crushed stone around entire pipe. Create a positive drain to atmosphere or dry well with drainage away from structure. Provide (2) stubs through slab for possible use in radon mitigation system. See contractor for mitigation system requirements.
- Contractor shall be responsible for any additional drainage requirements, such as sump pumps etc. Dampproofing shall not be visible above final grade.
- See architectural drawings for additional information not shown.

**CONCRETE:**

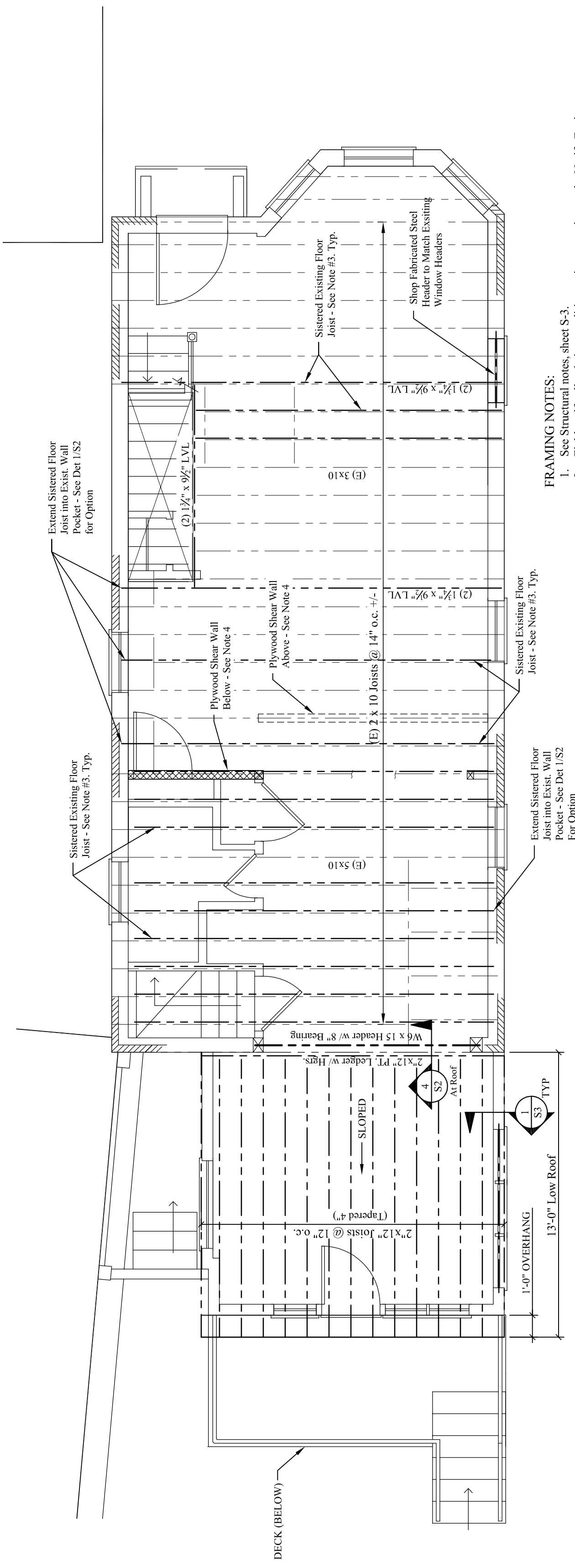
- Concrete regular weight (144 pcf) with Type II cement per ASTM C150, aggregate per ASTM C33, and potable water. No fly-ash permitted in floor slab. Aggregate size = 1" maximum for footings and slab. Minimum compressive strength = 3000 psi for foundations and slab on grade and 4,000 psi for exterior slabs and sidewalks. Saw cuts for floor slab control joints (CJ) shall be made as soon as the slab can support the weight of the saw, but no more than 12 hours after placing concrete. Max. 24 sq. ft. of per saw cut area.
- Pitch all garage floor slabs 1/4 ft. toward over head door.
- Slabs shall have vapor retarder with 8" deep crushed stone per manufacturer's requirements.

**SUPPLEMENTARY NOTES:**

- Verify all dimensions and conditions with architectural drawings prior to starting work.
- Notify the engineer of any discrepancies or inconsistencies.
- Provide all necessary temporary bracing, shoring, guying or other means to avoid excessive stresses, and to hold structural elements in place during construction.



**1 STUD WALL PARALLEL W/ JOISTS**  
Scale: 3/4" = 1'-0"



- FRAMING NOTES:**
- See Structural notes, sheet S-3.
  - Field verify all existing conditions prior to starting work. Notify Engineer of any discrepancies.
  - Sister existing damaged, cut or improper joist with (1) 1 1/2" x 9 1/2" LVL. Spike together w/ 2 rows of 12d nails @ 10" o.c. Typical
  - Shear Wall: 2 x 4 studs @ 16" o.c. from floor to roof with 1/2" plywood sheathing each face with 10d nails @ 6"/12" nail pattern to studs. Nail top and bottom plate to floor and roof sheathing/joist w/ 16d @ 6" o.c.
  - See architectural drawings for information and dimensions not shown.
  - All considerations for utilities is the responsibility of the contractor.
  - Provide (3) 2 x 10 Headers over openings unless noted otherwise on plan.

**SECOND FLOOR FRAMING PLAN**