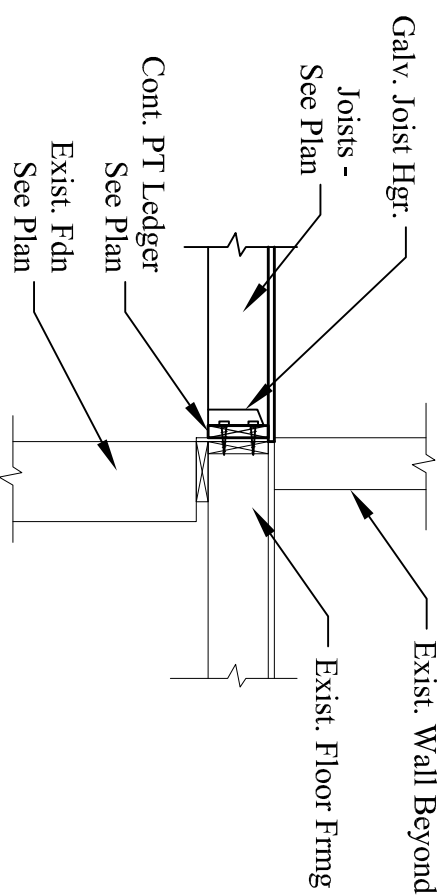
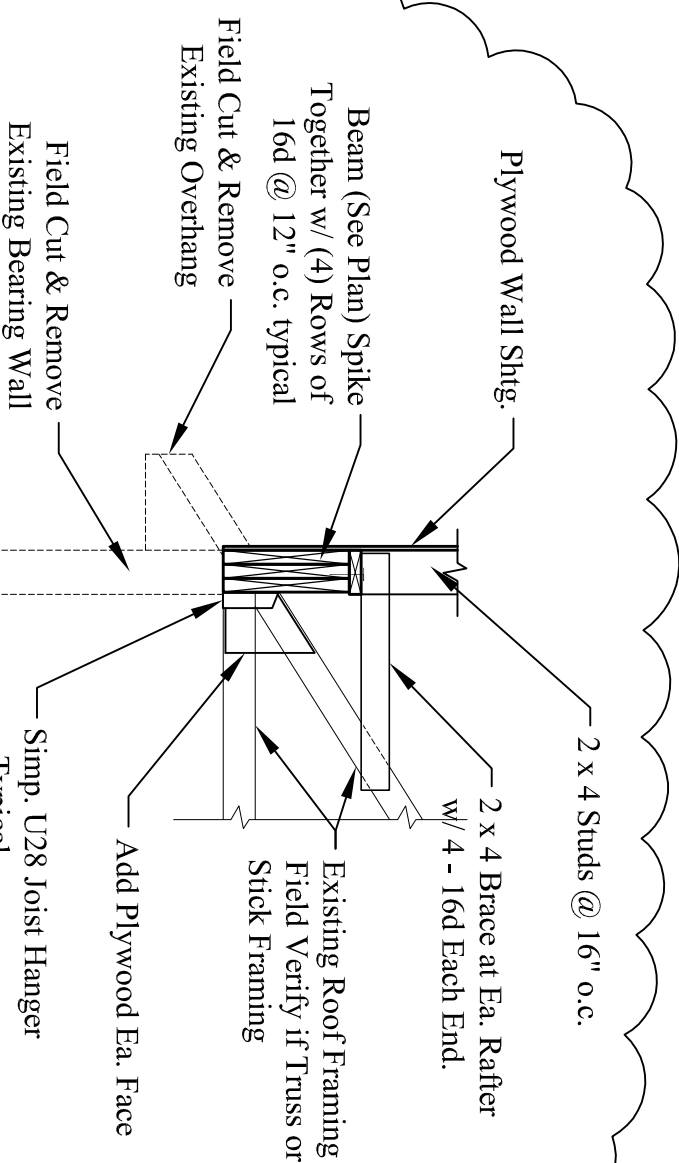


1 DECK FOUNDATION
 S2 Scale: 1/2" = 1'-0"



2 FLOOR CONNECTION
 S2 Scale: 1/2" = 1'-0"



3 ROOF CONNECTION
 S3 Scale: 1/2" = 1'-0"

STRUCTURAL NOTES:

CODE: Comply with the 2012 International Residential Code.

DESIGN LOADS:

Dead Loads: Roof = 15.0 psf., Floors = 10.0 psf.
 Live Loads: Roof = 45.0 psf (Plus Drift), 1st Floor = 40.0 psf., 2nd Floor = 35.0 psf.
 Wind Load: Building = 31.0 psf.

WOOD:

1. General:
 - a. Each piece of lumber shall be "S-DRY" and bear the grade stamp of a grading rules agency approved by the American Lumber Standards Committee.
 - b. Do not notch or drill joists, beams or load bearing studs without approval.

2. Connections:

- a. Nail roof plywood with 8d common at 6" o.c. at all edges and boundary members and 10" o.c. at intermediate supports.
- b. Nail wall plywood with 10d common nails at 6" o.c. at all edges and boundary members and 12" o.c. at intermediate supports.

3. Structural Sawm Lumber:

- a. 2 x 6 thru 2 x 14 joists: Spruce Pine Fir No. 2 with Fb (repetitive) = 1200 p.s.i.
- b. Studs: Spruce Pine Fir No. 2 with Fb (repetitive) = 1200 p.s.i.

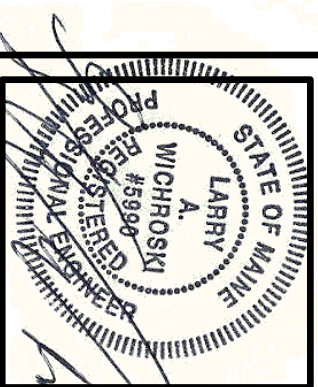
4. Laminated Veneer Lumber (LVL): Fb = 2800 psi, Fv = 285 psi, E = 2,000 ksi.

5. Plywood:

- a. Roof Sheathing: C-D INT-APA with exterior glue; 1/2" with Identification Index 48/24. Lay up with face grain perpendicular to supports. Stagger joints. Each plywood piece to be continuous over a minimum of two spans with a minimum width of 1'-0" unless blocking is provided at all joints.
- b. Wall Sheathing: C-D INT-APA (PSI-74) with exterior glue, 1/2" with Identification Index 24/0. All panel edges backed with 2" nominal or wider framing.

SUPPLEMENTARY NOTES:

1. Verify all dimensions and conditions with architectural drawings prior to starting work. Notify the Engineer of any discrepancies or inconsistencies.
2. Field verify all existing conditions including wall, door and window locations prior to starting work. Walls between floors may not align as shown. Notify the Engineer of any discrepancies or inconsistencies.
3. Provide all necessary temporary bracing, shoring, guying or other means to avoid excessive stresses and to hold structural elements in place during construction.



Sun Room Addition at Wiley Residence
 73 Winding Way, Portland, Maine



ENGINEERING DESIGN PROFESSIONALS
Consulting Engineers
 P.O. BOX 575, FREEPORT, MAINE 04032 (207) 865-9505

Revisions:

Δ 10-23-2013

Project No: 04313

Design By: Larry Wichroski, P.E.
 Date: 08-12-2013

S-1