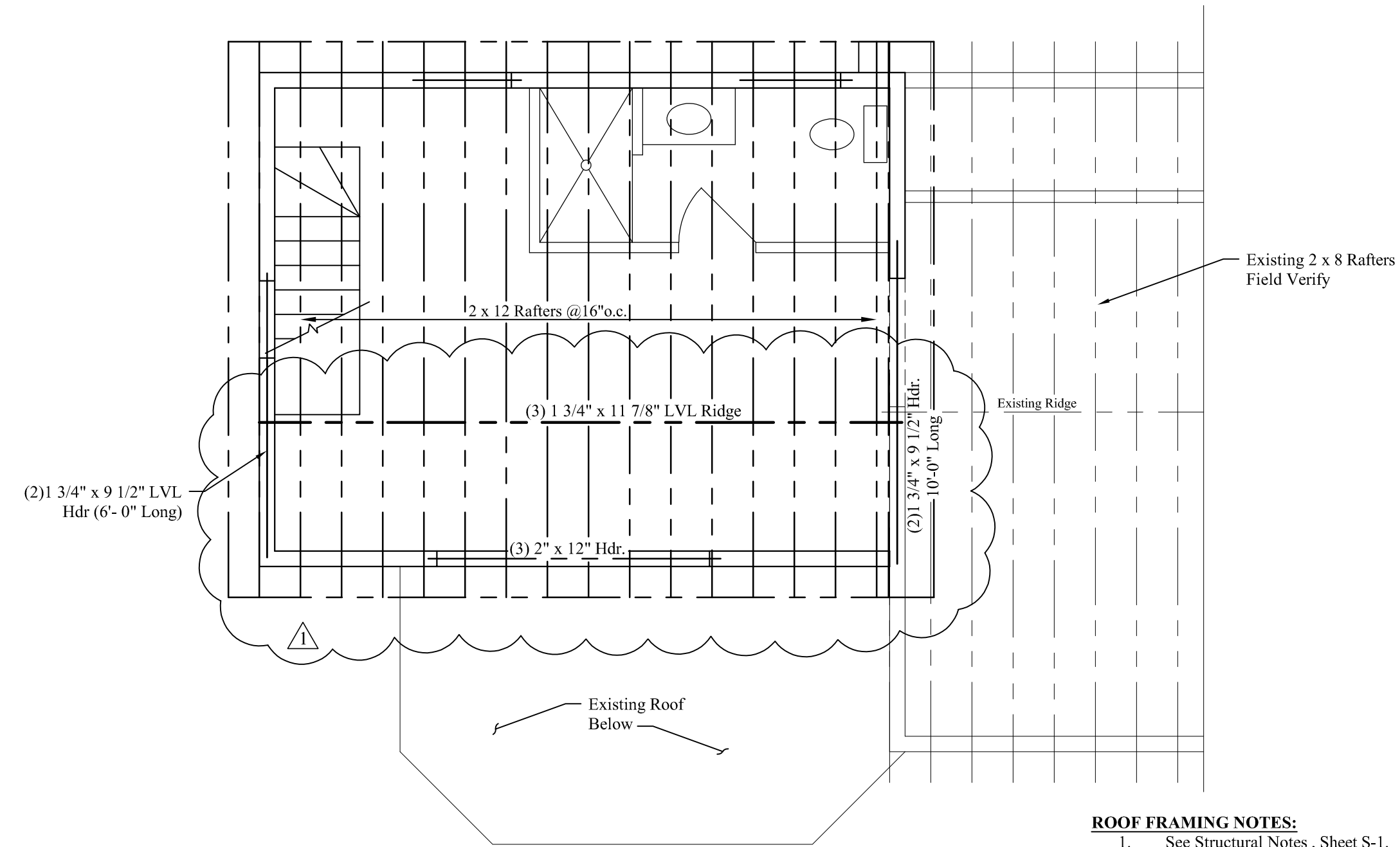


### 3rd FLOOR FRAMING PLAN

Scale: 1/4" = 1'-0"



### ROOF FRAMING PLAN

Scale: 1/4" = 1'-0"

#### FLOOR FRAMING NOTES:

- See Structural Notes, Sheet S-1.
- Built-up girders, headers and beams shall be spiked w/ 3 rows of 16d nails @ 12" o.c.
- Provide metal hangers at all flush joist connections.
- Provide solid blocking at mid-span of floor joists.
- See architectural drawings for wall layout and dimensions.
- Provide (3) 2" x 10" header over all exterior door and window openings unless noted on plan.

#### ROOF FRAMING NOTES:

- See Structural Notes, Sheet S-1.
- Built-up headers and beams shall be spiked w/ 3 rows of 16d nails @ 12" o.c.
- Provide metal hangers at all flush rafter connections.
- Provide (3) 2" x 10" headers over all exterior door and window openings unless noted on plan.
- See architectural drawings for wall layout and dimensions.
- Connect all Rafters to wall plate with Simpson H2.5 Seismic & Hurricane Ties per Manufacturer's Instructions.

#### STRUCTURAL NOTES:

CODE: Comply with the 2012 International Residential Building Code.

#### DESIGN LOADS:

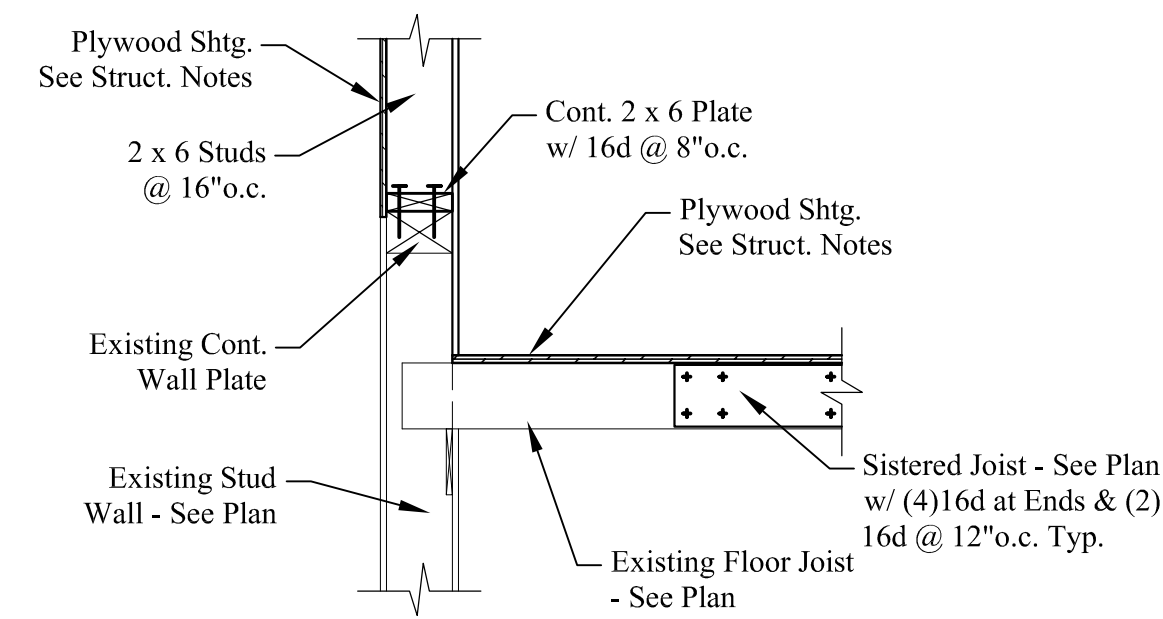
Dead Loads: Roof = 15.0 psf, Floor = 10.0 psf.  
 Live Loads: Roof = 45.0 psf (Plus Drift), 1st Floor = 40.0 psf, 2nd Floor = 35.0 psf.  
 Wind Load: Building = 31.0 psf

#### WOOD:

- General:
  - 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.
  - Double up studs at jambs and under beams.
  - Do not notch or drill joists, beams or load bearing studs without approval.
- Connections:
  - Nail roof plywood with 8d common at 6" o.c. at all edges and boundary members and 10" o.c. at intermediate supports.
  - Glue floor plywood to all framing members and nail with 8d common at 6" o.c. at all plywood edges and boundary members and 10" o.c. at intermediate supports.
  - Nail CDX wall plywood with 10d common nails at 6" o.c. at all edges and boundary members and 12" o.c. at intermediate supports.
  - Nail Advantech R-6 wall sheathing with 0.131" Dia. x 3" common nails at 3" o.c. along all panel edges and 6" o.c. along intermediate supports.
- Structural Sawn Lumber:
  - 2 x 6 thru 2 x 14 joists: Spruce Pine Fir No. 2 with Fb (repetitive) = 1200 p.s.i.
  - Studs: Spruce Pine Fir No. 2 with Fb (repetitive) = 1200 p.s.i.
- Laminated Veneer Lumber (LVL); Beams: Fb = 2,800 psi, Fv = 285 psi, E = 2,000 ksi  
 Posts: Fb = 2,400 psi, Fv = 190 psi, E = 1,800 ksi
- Plywood:
  - Roof Sheathing: C-D INT-APA (PSI-94) with exterior glue; 5/8" 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.
  - Sub-flooring: C-D INT-APA (PSI-94) with exterior glue; 3/4" 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.
  - Wall Sheathing: C-D INT-APA (PSI-74) with exterior glue; 1/2" CDX with Identification Index 24/0. All panel edges backed with 2" nominal or wider framing.  
 Optional: Advantech R-6 Zip System, 7/16" OSB sheathing with 1" of foam. All panel edges backed with 2" nominal or wider framing.

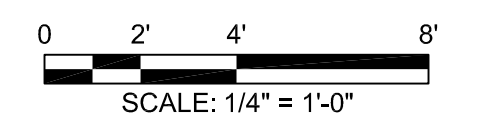
#### SUPPLEMENTARY NOTES:

- Field verify all dimensions and conditions 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.

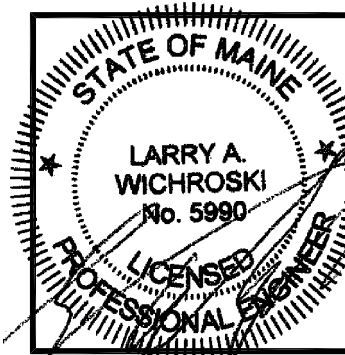


#### STUD WALL to EXISTING WALL CONN.

Scale: 3/4" = 1'-0"



Mechanical, Electrical and Plumbing Design and Building Weatherization-Insulation-Ventilation by Others.



DESIGNED BY:	Larry A. Wichroski, P.E.
DRAWN BY:	LAW
JOB #:	01417
DATE:	10-11-2017

REVISIONS	03-01-2018
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