

GENERAL NOTES:

- The notes on the drawings are not intended to replace specifications, in addition to general notes. See specifications for requirements.
- Structural drawings shall be used in conjunction with job specifications and architectural, mechanical, electrical, plumbing, and site drawings. Consult, openings, chases, inserts, reglets, sleeves, depressions, and other details not shown on structural drawings.
- All dimensions and conditions must be verified in the field. Any discrepancies shall be brought to the attention of the engineer before proceeding with the affected part of the work.
- Do not scale plans.
- Sections and details shown on any structural drawings shall be considered typical for similar conditions.
- All proprietary products shall be installed in accordance with the manufacturers written instructions.
- The structure is designed to be self supporting and stable after the erection is complete. It is the contractor's sole responsibility to determine erection procedures and sequencing to ensure the safety of the building and its components during erection. This includes the addition of necessary shoring, sheeting temporary bracing, guys or tie-downs. Such material shall remain the property of the contractor after completion of the project.
- All applicable federal, state, and municipal regulations shall be followed, including the federal department of labor occupational safety and health act.

DESIGN LOADS:

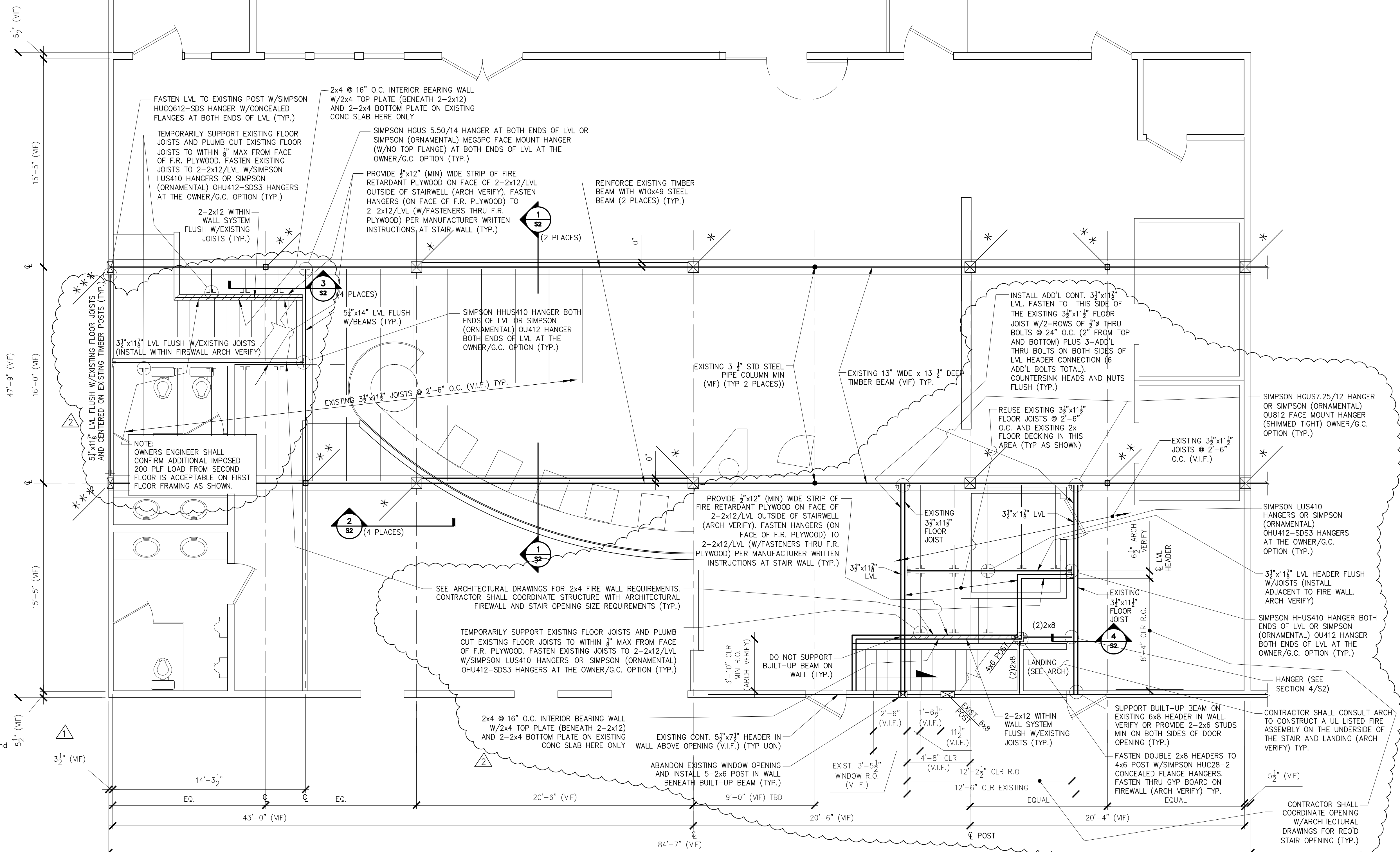
- Building code: IBC (2009) International Building Code.
- Design Live Loads: (Ground Snow load = 50 psf)
Roof 45 psf + drift as applicable
Restaurant Floor.....100 psf
- Design wind loads are based on exposure BC using 100 mph basic wind speed.
- Seismic Design Utilizes Analysis Procedure shall be equivalent Lateral Force Procedure per IBC 2009.

STRUCTURAL STEEL NOTES:

- Structural steel fabrication, erection, and connection design shall conform to AISC "Specification for the design, fabrication, and erection of structural steel"—Ninth edition.
- Structural steel:
a) Structural steel shall conform to ASTM A-36.
b) Structural tubing shall conform to ASTM A-500 GR-B
c) Structural pipe shall conform to ASTM A-53, TYPE E OR S
- The fabricator shall design connections for the reactions shown on the drawings or the maximum end reaction that can be produced by a laterally supported uniformly loaded beam for each given beam size and span.
- Field connections shall be bolted using 3/4" diameter ASTM A325 high strength bolts except where field welding is indicated on the drawings.
- All welding shall conform to AWS D1.1—Latest edition. Welding electrodes shall be E70XX.
- Structural Steel Primer Paint. TNEMEC 10-99 Alkyd rust inhibitive primer, 2.0 to 3.5 mils dry thickness, or approved alternate.
- Structural Steel Top Coat for steel permanently exposed to view. TNEMEC series 2 TNEMEC-GLOSS Enamel, 3.0 to 5.0 mils dry thickness, or approved alternate.
- Complete shop drawings and schedules of all structural steel shall be prepared by the contractor and submitted to the engineer for review prior to commencement of that portion of the work. All accessories must be shown on the shop drawings. Submit (2) black line prints to the Engineer/Architect.

TIMBER FRAMING:

- All Timber framing shall be in accordance with the AITC timber construction manual or the national design specification (NDS) – latest edition
- Individual timber framing members shall be visually graded, minimum grade #2 Spruce-Pine-Fir (SPF), kiln dried to 19% maximum moisture content.
- Timber shall be southern yellow pine treated with ACQ water borne preservative in accordance with AWP treatment C1 with 0.40 PCF retainage for items in contact with roofing, masonry or concrete with 0.60 PCF retainage for items in contact with earth.
- Metal connectors shall be used at all timber to timber connections or as noted on the design drawings. All metal connectors in contact with pressure treated timber shall be stainless steel.
- Provide Simpson H2.5A hurricane anchors where timber framing and/or trusses bear on bearing wall and structural beams.
- Nails and screws not specified shall conform with IBC 2009. All nails and screws in contact with pressure treated timber shall be stainless steel.
- Provide 1/2" thick APA rated exterior wall sheathing fastened w/ 10d nails @ 4" o.c. at panel edges and 6" o.c. intermediate. Lap sheathing 1'-0" minimum over existing structure (Where applicable).
- Provide 5/8" thick APA rated roof sheathing fastened w/ 10d nails @ 6" o.c. at panel edges and intermediate.
- Provide 3/4" thick APA rated floor sheathing fastened w/ construction adhesive and 10d ring shank nails @ 6" o.c. at panel edges and intermediate.
- LVL indicated laminated veneer lumber beams manufactured by Boise Cascade or approved equal.



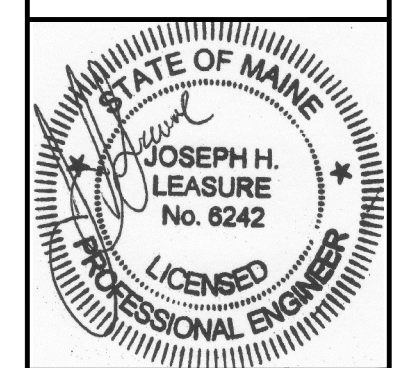
NOTES:

- * INDICATES: EXISTING 9 1/2"x9 1/2" TIMBER POST TO REMAIN (V.I.F.) TYP.
- ** INSTALL NEW HSS 4"x4"x2" TUBE STEEL COLUMN (SEE SECTION 3/DWG S2) (F_y=46ksi)
- *** INDICATES: EXISTING 5 1/2"x9 1/2" TIMBER POST TO REMAIN (V.I.F.) TYP.
- FASTEN ALL SIMPSON HANGERS PER MANUFACTURER WRITTEN INSTRUCTIONS (TYP.)
- OWNERS ENGINEER SHALL CONFIRM THAT SECOND FLOOR PLUS ROOF LOADS ON POSTS SHOWN (EXISTING AND NEW) ARE ACCEPTABLE ON FIRST FLOOR BEAM AND PILE SUPPORTS BELOW OR OWNERS ENGINEER SHALL DESIGN ADDITIONAL SUPPORT AS REQUIRED (TYP.)

SECOND FLOOR FRAMING PLAN

1/4" = 1'-0"

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rev.	date	description	designed by: JHL	checked by: AKB	scale AS NOTED	date: 10-15-12	plot date: 1-28-13	project #: 2012-123
0	10-15-12	FOR CONSTRUCTION						
1	1-4-13	ADD STAIR OPENING FRAMG						
2	1-28-13	ADD STAIR OPENING FRAMG						

6 CUSTOM HOUSE WHARF
PORTLAND, MAINE
SECOND FLOOR REINFORCEMENT
GENERAL NOTES AND SECOND FLOOR FRAMING PLAN

S1

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