

- 1. ROOF SHEATHING SHALL BE 5/8" OSB, SEE GENERAL NOTES FOR ADDITIONAL INFO

SI 34 Po	Job # 09-0074 Park St. rtland, ME 04101	t 401 6 8 g.com g.com g.logierst.loc.
DI	ESIGN LIVE LOADS: 2006 IBC, U.O.N.	O ak Stree nd, ME, 0 07-793-783 56-793-783 56-793-783 10-703 10-703 11 11 11 11 11 11 11 11 11 11 11 11 11
* *	Snow Pg 50 psf and Drift Wind 100 mph_exp B_3 second sust	77, Portla p. 2 f. 8 www.sftt ILD WIJ
*	Floor 40 psf	BU
FOUNDATION:		<u>srit</u>
*	Foundations are designed without an engineer's soil investigation. Foundation design criteria was assumed for purposes of foundation design.	
*	Footings shall be placed on undisturbed natural soil or compacted fill tested and approved by soils engineer.	
	* Minimum dead load design soil pressure:	<b>uct</b>
CC	DNCRETE AND REINFORCEMENT:	09-(
*	Concrete shall conform to applicable provisions of ACI-301 and 318. Minimum 28 day compressive strength (F'c) as follows:	SI#
	Footings: 3,500 psi w/Fiber 4 to 6% air entrapment	
¥	Interior Slabs: 3,500 psi w/ Fiber 4 to 6% air entrapment	
*	Deformed reinforcement: ASTM A615 grade 60, except bars specified to be field-bent, stirrups, and ties which	
*	shall be grade 40. Fibremesh: 100% virgin polypropylene, fibrillated fibers as manufactured by Fibremesh Co. per ASTM C-1116 type	
*	111 4.1.3 and ASTM C-1116 performance level one, 1.5 lb. per cubic yard. Typical minimum foundation reinforcing: 2 #4 top and bottom (except as noted) continuous at corners and	
*	steps. Reinforgement shall be fabricated and placed per ACL Manuel of Standard Practice (ACL 315). At oplices the bars	
	50 diameters unless noted otherwise.	
*	Minimum 2 #4 around all four sides of all openings, extend min. 2-0 beyond openings. Concrete cover over reinforcing: $1^{1}/_{2}$ " for concrete placed against forms; 3" for concrete placed against earth. See	
*	also drawings. In continuous members, splice top bars at mid span and bottom bars over supports.	
*	Keep reinforcement clean and free of dirt, oil, and scale. Oil forms prior to placing reinforcement.	
W	OOD FRAMING:	
*	S-P-F #2 and better (Maximum Moisture Content 19%) U.O.N.	S.
	Plates: Sill plates: Pressure Treated Hem Fir or Southern Pine: "Pressure treated lumber" shall be framing material of the specified species which has been pressure treated with	
	a decay and insect resistant solution, meeting all current standards for wood in contact with concrete or earth. Sill plates in contact with masonry or concrete foundations, footings or slabs may be treated Timber Strand I SI	ISI
	(zinc borate treatment). Sodium borate treatment may also be acceptable for sill plate applications when protected	EV
	Acceptable treatment mediums for wood in contact with earth or in exterior applications include ACQ-C and	
	ACQ-D (Alkaline Copper Quaternary) and copper azole (CBA-A and CBA-B). DO NOT USE WOODS WHICH HAVE BEEN TREATED WITH AMMONIA BASED CARRIERS.	
	All connectors shall meet the recommendations of the pressure treated wood manufacturer, but shall be not less than Hot Dipped Galvanized meeting requirements of ASTM A653, such as Simpson ZMAX (G185). All screws	
	nails and bolts shall match hangers and other connectors, and shall meet ASTM A123 for individual connectors,	
	For durability, it is our recommendation that connectors used in exposed conditions with treated lumber be	
	stamless steel. Do not mix galvanized and stainless products.	
	Do not allow aluminum to contact treated wood.	
	Top and Bottom Plates: S-P-F S. P. F. Shuds U. O. Ni — 2 x 4 and 2 x 6 to 8' 0: stud grade	
	$2 \times 4$ over 8'-0: standard and better	
	Floor Joists: 9 <sup>1</sup> / <sub>2</sub> " AJS 25	
*	Rafters: 9 <sup>1</sup> / <sub>2</sub> " AJS 25 Laminated Veneer Lumber (LVL): Manufactured 1 3/4" wide Microllams (ML) by Trus Joist or equivalent.	
*	Fb=2,600 psi, E=1,900,000 psi, Fv=285 psi, depth noted on plans.	
	Fb=2,600  psi, E=1,900,000  psi, Fv=285  psi, depth noted on plans.	
*	LSL Rim Joists = $1-1/4$ " x depth indicated laminated strand lumber by Trus Joist. No substitutions. All plywood and oriented strand board (OSB) sheathing shall be engineered grades with APA grade stamp	
	indicating appropriate maximum spacing of supports. Floor sheathing: nominal 3/4", APA Stud-I-floor "24" tongue & groove glued and nailed.	
	Roof sheathing: minimum 5/8" CDX plywood, or 19/32" OSB, APA 40/20, nailed.	
*	All exterior stud walls shall be braced with one sheet of plywood or OSB at corners and not more than 25 feet o.c.	$\circ$
*	along walls. Additional requirements noted on drawings. Nail wall sheathing with 8d commons at 6" o.c. at panel edges, and 12" o.c. intermediate framing U.N.O. <u>BLOCK</u>	H K K
	<u>AND NAIL ALL EDGES BETWEEN STUDS</u> . Sheathing shall be continuous from bottom plate to top plate. Cut in "L" and "T" shapes around openings. Lap sheathing over rim joists min. 4" at all floors to tie upper and	
	lower stud walls together. Minimum height of sheathing panels shall be 16" to assure that plates are tied to studs.	
*	Sole plate at all perimeter walls and at designated shear walls shall be nailed as for braced panels with 3-16d x $3 1/2$ "	
*	End stud at each door jamb, at all exterior corners, and at ends of OSB sheathed wall sections shall have one H4	
	anchor to the sole plate.	
	SHEATH ALL EXTERIOR WALLS.	d, ŋ
*	Minimum nailing shall comply with IBC Table 2304.9.1 except where more or larger nailing shown on drawings.	Ď Ö
*	Provide continuous wall studs each side of wall openings equal to one half or greater of number of studs	ti a
*	Interrupted by openings. All wall studs shall be continuous from floor to floor or from floor to roof.	
*	Cross bridge all dimension lumber roof and floor joists at midspan and provide solid blocking or rim joists at all joist supports and joist ends. See prefabricated I-joist recommendations for blocking.	oi Oi
*	All prefabricated plywood Web I-type joists shall be installed per the manufacturer's recommendations. Do not cut	Ŭ −
*	Metal connectors: Simpson Strong Tie unless otherwise noted, installed with number and type of nails to achieve	
*	maximum rated capacity. Note that heavy duty and skewed hangers may require special order. Lead holes for lag bolts shall be 60% to 70% of lag shank diameter in compliance with AITC criteria.	

GENERAL STRUCTURAL NOTES

- STRUCTURAL ERECTION AND BRACING REQUIREMENTS
   \* The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced. The contractor, in the proper sequence, shall provide proper shoring and bracing as may be
- supported and braced. The contractor, in the proper sequence, shall provide proper shoring and bracing as may be required to achieve the final completed structure.
  \* These plans have been engineered for construction at one specific building site. Builder assumes <u>ALL</u> responsibility for use of these plans at <u>Any Other</u> building site. Plans shall not be used for construction at any other building site without specific review by the engineer.
  \* Observations of foundation reinforcing or framing required by the owner, lender, insurer, building department or any other party will be accomplished by the engineer at the owner's expense. At least 24 hours advance notice is requested.
- requested.
- \* All slabs on grade shall be separated from adjacent structural and finish elements to allow free movement of the slab, unless specifically shown and noted otherwise.



ADDITION ANS & DETAILS, ETC.

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