

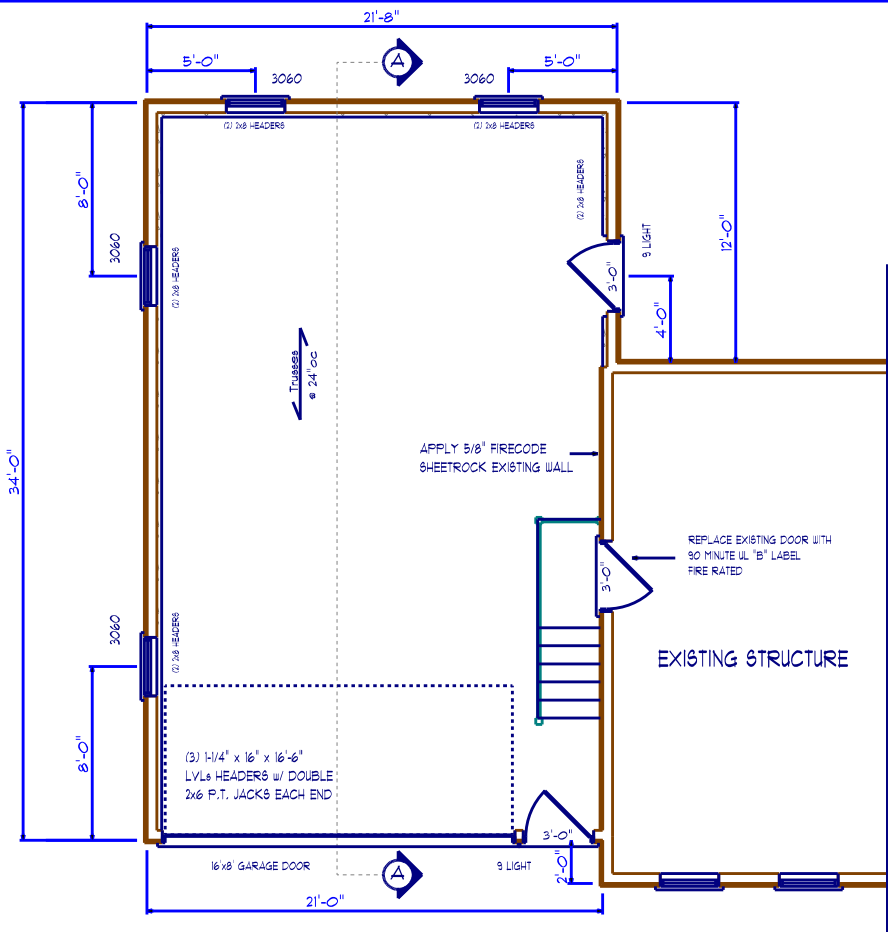
Section " A "

3/8" = 1'-0"

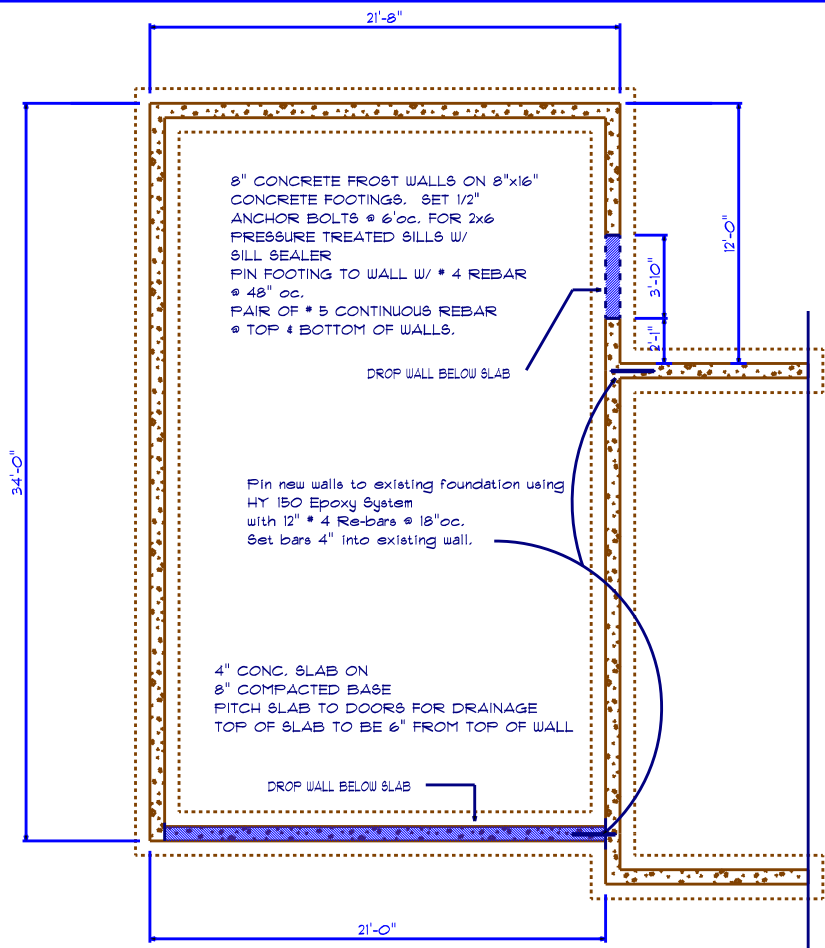
NOTE: STRUCTURE TO BE BUILT USING STANDARD 2009 MAINE RESIDENTIAL BUILDING CODES.

WAYNE PARADIS INC.
 Custom Design &
 Carpentry
 Service
 Tel: 892-3424
 Cell: 229-7641
 w.paradis2@myfairpoint.net
 http://wayneparadis.net/index.html

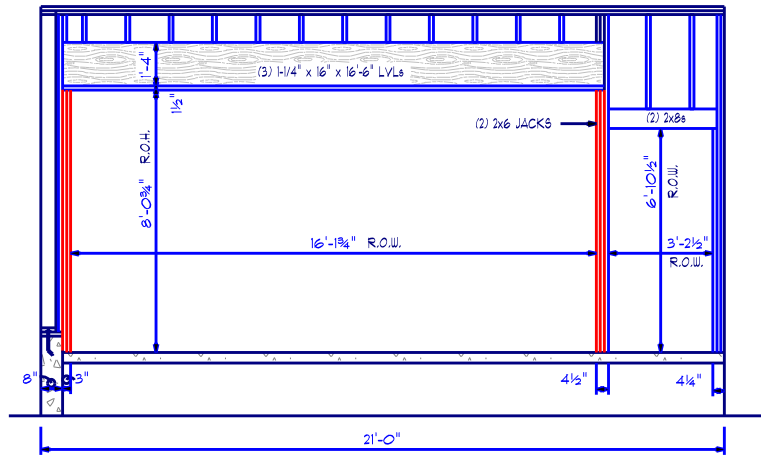
Section " A "		Garage Addition	
Plan For:	Marvin Ouellette	3	3
Drawn by:	Wayne Paradis	May, 31, 2011	



Floor Plan
1/4" = 1'-0"



Foundation Plan
1/4" = 1'-0"

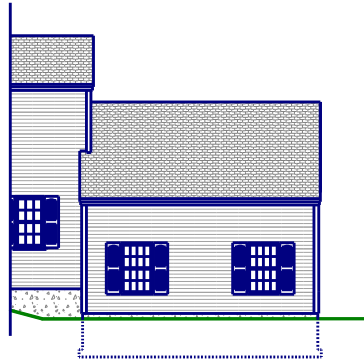


Wall Framing
3/8" = 1'-0"

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Foundation & Floor		Garage Addition	
Plan For:	Marvin Ouellette		2 3
Drawn by:	Wayne Paradis	May, 31, 2011	



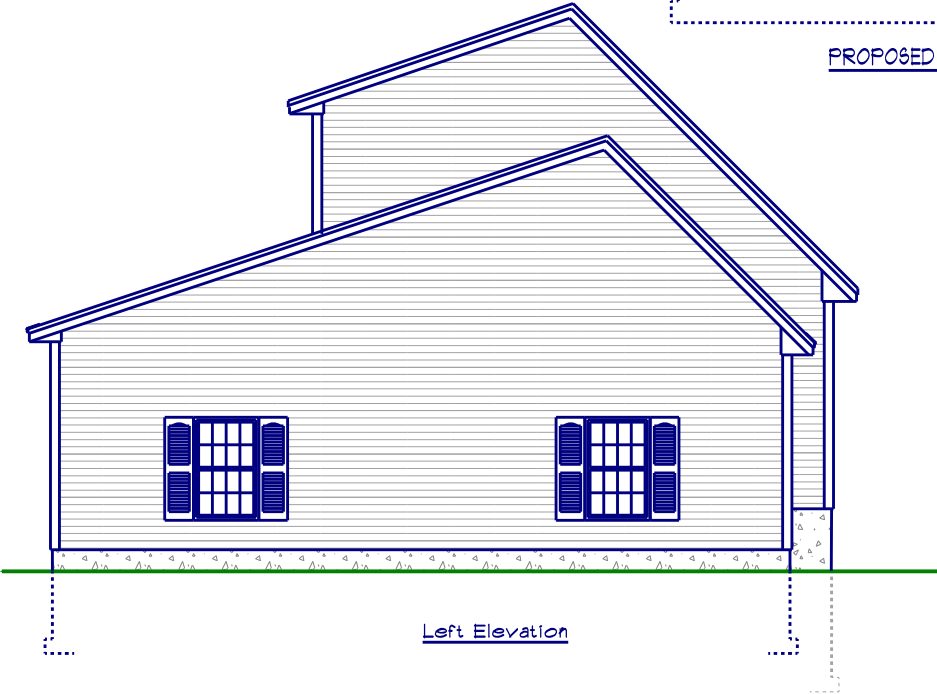
Rear Elevation
1/8" = 1'-0"



PROPOSED ADDITION

EXISTING STRUCTURE

Front Elevation
1/4" = 1'-0"



Left Elevation



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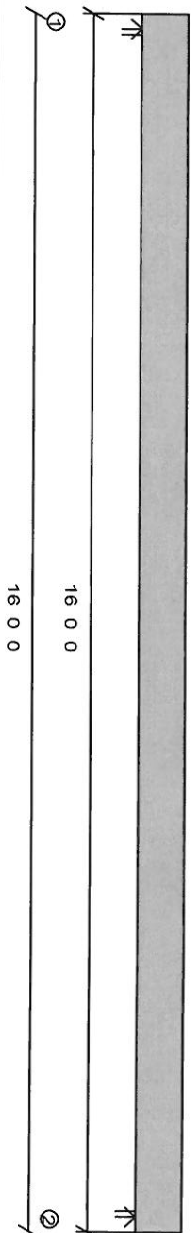
Elevations		Garage Addition	
Plan For:	Marvin Ouellette		1 3
Drawn by:	Wayne Paradis	May 31, 2011	

Member Data

Member Type: Beam
Top Lateral Bracing: Continuous
Bottom Lateral Bracing: Continuous
Moisture Condition: Dry
Deflection Criteria: L/360 live, L/240 total
Deck Connection: Nailed
Filename: KYB1

Application: Roof
Slope: 0.00 / 12
Building Code: IBC / IRC
Member Weight: 21.8 PLF

Standard Load: 340 PLF
Dead Load: 1020 PLF
Snow Load: 1020 PLF



Bearings and Reactions

Location	Type	Input Length	Min Required	Gravity Reaction	Gravity Uplift
1 0' 0.000"	Wall	3.500"	2.409"	10752#	--
2 15' 6.750"	Wall	3.500"	2.409"	10752#	--

Maximum Load Case Reactions

Used for applying point loads (or line loads) to carrying members

	Dead	Snow
1	2815#	7937#
2	2815#	7937#

Design spans
 15' 6.750"

Product: 1-3/4 x 16 x 2.0E CP-Lam LVL **3 ply**
Component Member Design has Passed Design Checks.**
Design assumes continuous lateral bracing along the top chord.
Design assumes continuous lateral bracing along the bottom chord.

Allowable Stress Design

	Actual	Allowable	Capacity	Location	Loading
Positive Moment	41833.#	65339.#	64%	7.78'	Total load D+S
Shear	8910.#	18354.#	48%	0.01'	Total load D+S
Max. Reaction	10752.#	15619.#	68%	0'	Total load D+S
TL Deflection	0.5088"	0.7781"		7.78'	Total load D+S
LL Deflection	0.3756"	0.5188"		L/497	Total load S

Control: LL Deflection

D.O.L.S: Live=100% Snow=115% Roof=125% Wind=160%

Design assumes a repetitive member use increase in bending stress: 4 %
 Manufacturer's installation guide MUST be consulted for multi-ply connection details and alternatives