

Ground Floor Elev A & B

Scale 3/16 inch : 1 ft.

Ground Floor Elev A & B

Design Method LSD
Building Code NBCC 2015 / OBC 2012

Floor

Loads
Live 40
Dead 15
Deflection Joist
LL Span L/ 360
TL Span L/ 240
LL Cant 2L/ 720
TL Cant 2L/ 720
Deflection Girder
LL Span L/ 360
TL Span L/ 240
LL Cant 2L/ 720
TL Cant 2L/ 720
Decking
Deck SPF Plywood
Thickness 3/4"
Fastener Nailed & Glued
Vibration



ARGO LUMBER INC.
ALPA LUMBER GROUP

Argo Lumber Inc.
10275 Keele Street
Maple ON L6A 1S7
Tel: 905.832.2251

Project
Kings

Layout Name
3702

Builder
Esquire Homes

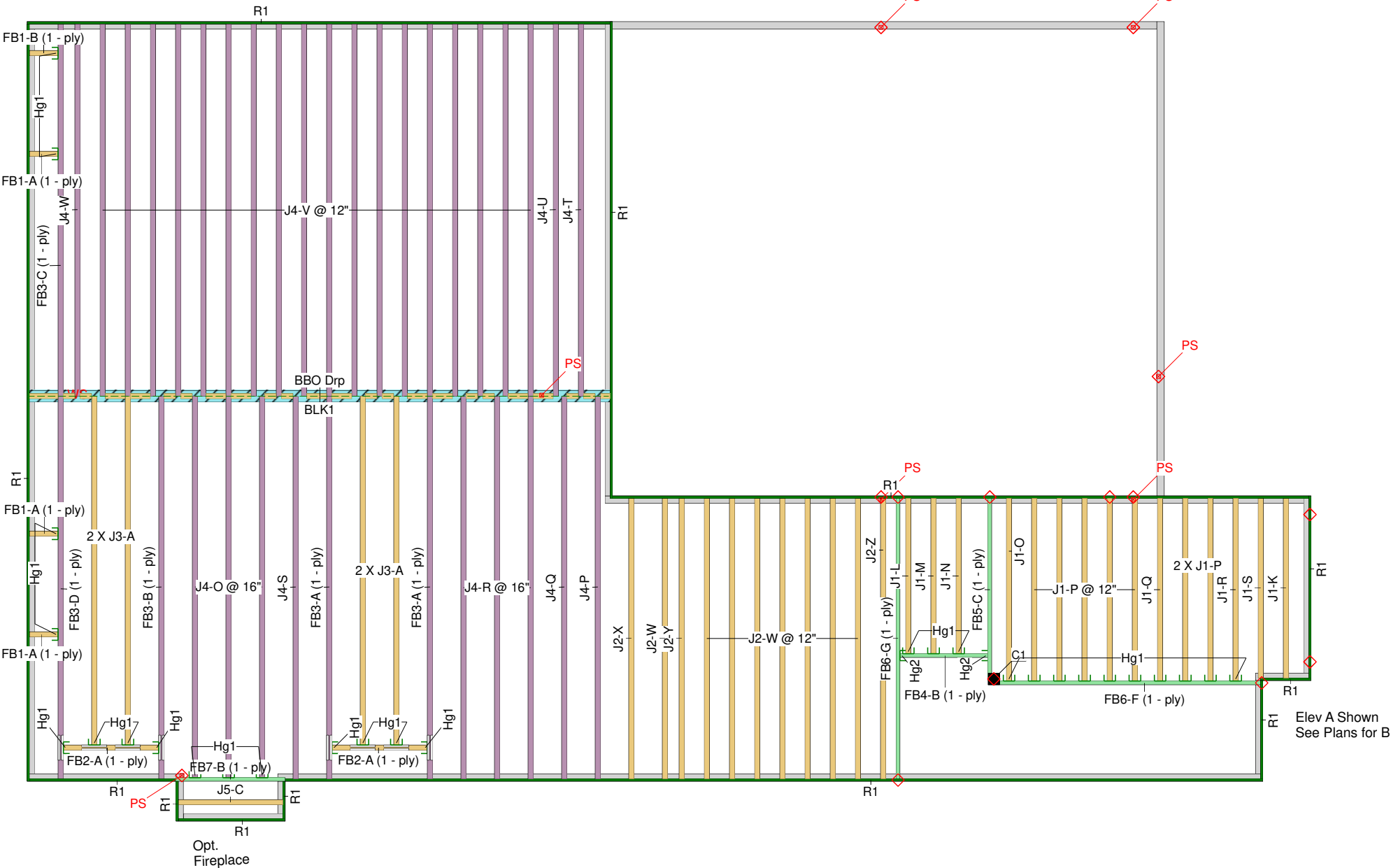
Shipping
Kings Crescent
Ajax, Ontario

Design Method
LSD

Created
January 29, 2018

Revised
February 12, 2019

Description
Revision 2



1. The building design professional is responsible for the overall structural stability of the structure.
2. Minimum required bearings for joists is 1.75" 3.5" for intermediate bearings
3. Minimum required bearings for LVL shall be 3" or the minimum required length indicated on the individual beam/girder member component design, whichever is greater. Each ply of the member shall be supported for the full member width for the full required minimum length of the bearing.
4. Unless otherwise noted, continuous lateral support must be provided to the compression edge of all joist/girder/beam members. Full support is considered to be a maximum unbraced length of 24". This restraint is normally provided by sheathing and/or framing members which must be adequately anchored to the member and supporting structure.
5. Provide lateral support to all joist/girder/beam member components at all bearing locations to prevent lateral displacement and rotation.
6. All joist/girder/beam member components shall be used in a dry, well ventilated environment where the moisture content will not exceed 16% - such as in most covered structure.
7. Point loads from above shall be solidly blocked (squash blocks) to solid bearing below.
8. All floor sheathing must be attached (as indicated - nailed only or nailed and glued) for the entire length of the joist.
9. Blocking required over all interior supports under load bearing walls or when floor joists are not continuous over support, for cantilevered joists or when indicated on the layout.
10. All lengths and quantities must be verified prior to installation.

Legend

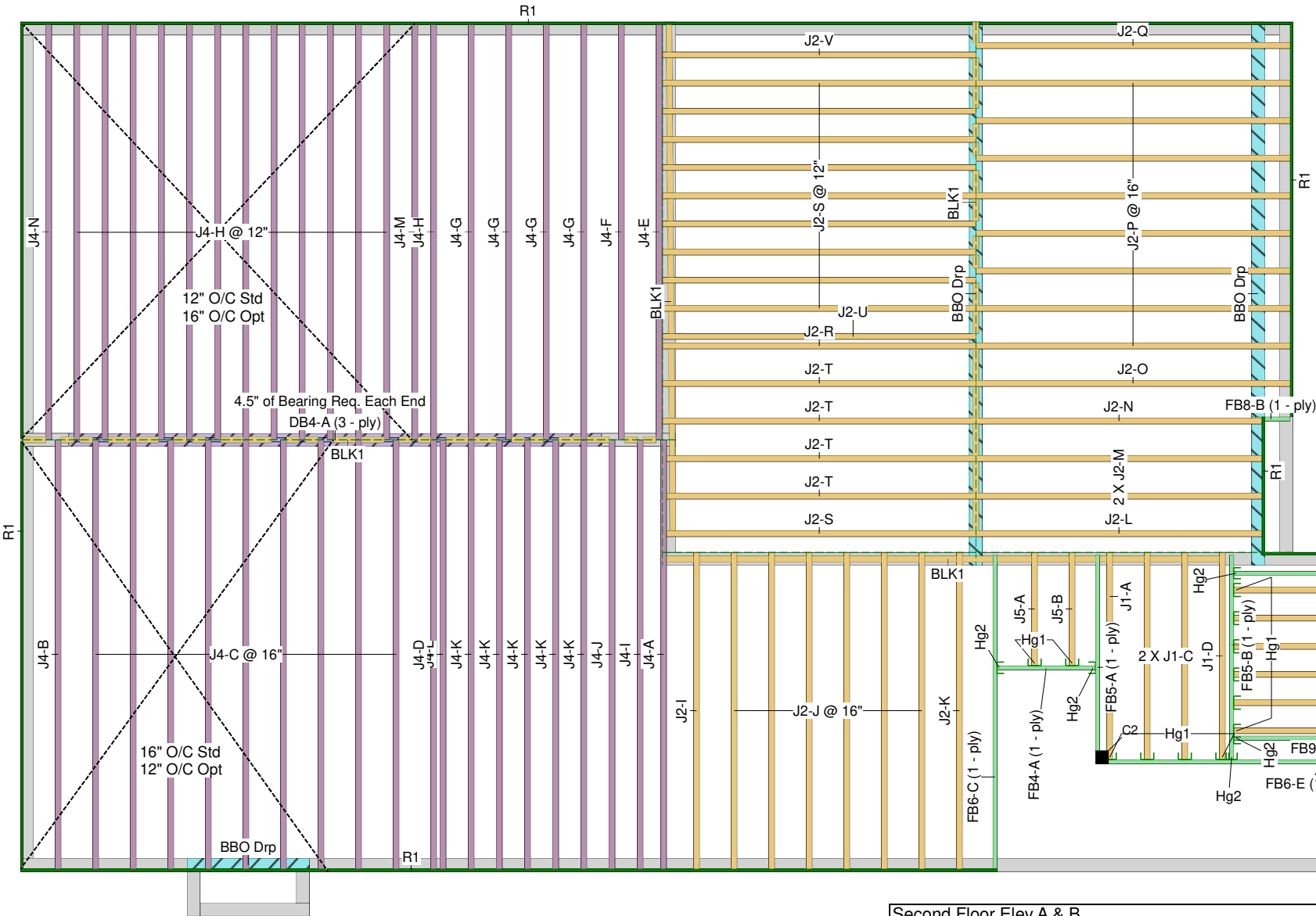
- WS
PS
◇
- Web Stiffener
Point Load Support
Load from Above
Wall
Common Rim Board 1.125 X 9.5
NI-20 9.5
NI-40x 9.5
2.0E Microllam LVL 1.75 X 9.5
5.5 X 9.5 (Dropped)

Ground Floor Elev A & B							
Joist							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB2	NI-20	2.5	9.5			2	4-0-0
FB1	NI-20	2.5	9.5			4	2-0-0
J3	NI-20	2.5	9.5			4	14-0-0
J2	NI-20	2.5	9.5			11	12-0-0
J1	NI-20	2.5	9.5			15	8-0-0
J5	NI-20	2.5	9.5			1	6-0-0
FB3	NI-40x	2.5	9.5			5	16-0-0
J4	NI-40x	2.5	9.5			30	16-0-0
Blocking							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BLK1	NI-20	2.5	9.5	LinFt		Varies	15-0-0
LVL/LSL							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB6	2.0E Microllam LVL	1.75	9.5			2	12-0-0
FB5	2.0E Microllam LVL	1.75	9.5			1	8-0-0
FB7	2.0E Microllam LVL	1.75	9.5			1	6-0-0
FB4	2.0E Microllam LVL	1.75	9.5			1	4-0-0
Rim Board							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	Common Rim Board 1.125 X 9.5	1.125	9.5			14	12
Hanger							
Label	Pcs	Description	Skew	Slope	Beam/Girder fasteners	Supported Member fasteners	
Hg1	28	LT259			4 10dx1 1/2	2 10dx1 1/2	
Hg2	2	HUS1.81/10			30 10dx1 1/2	10 16d	

EWP manufacturers are responsible for the structural integrity of their respective products.
All "C#" callouts are End Grain Bearing Columns by Other

See attached sealed span charts for all uniformly loaded beams.
"ALL JOISTS UNDER TILED APPLICATIONS SHALL CONFORM TO OBC 9.30.06"

Second Floor Elev A & B



Scale 3/16 inch : 1 ft.



Argo Lumber Inc.
10275 Keele Street
Maple ON L6A 1S7
Tel: 905.832.2251

Project	Kings
Layout Name	3702
Builder	Esquire Homes
Shipping	Kings Crescent Ajax, Ontario
Design Method	LSD
Created	January 29, 2018
Revised	February 12, 2019
Description	Revision 2

Second Floor Elev A & B
Design Method LSD
Building Code NBCC 2015 / OBC 2012

Floor	
Loads	
Live	40
Dead	15
Deflection Joist	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	720
TL Cant 2L/	720
Deflection Girder	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	720
TL Cant 2L/	720
Decking	
Deck	SPF Plywood
Thickness	3/4"
Fastener	Nailed & Glued
Vibration	
Ceiling:	Gypsum 1/2"

Legend

WS	Web Stiffener
PS	Point Load Support
◇	Load from Above
Wall	
Common Rim Board 1.125 X 9.5	
NI-20 9.5	
NI-40x 9.5	
2.0E Microllam LVL 1.75 X 9.5	
2.0E Microllam LVL 1.75 X 16 (Dropped)	
5.5 X 9.5 (Dropped)	

- The building design professional is responsible for the overall structural stability of the structure.
- Minimum required bearings for joists is 1.75" 3.5" for intermediate bearings
- Minimum required bearings for LVL shall be 3" or the minimum required length indicated on the individual beam/girder member component design, whichever is greater. Each ply of the member shall be supported for the full member width for the full required minimum length of the bearing.
- Unless otherwise noted, continuous lateral support must be provided to the compression edge of all joist/girder/beam members. Full support is considered to be a maximum unbraced length of 24". This restraint is normally provided by sheathing and/or framing members which must be adequately anchored to the member and supporting structure.
- Provide lateral support to all joist/girder/beam member components at all bearing locations to prevent lateral displacement and rotation.
- All joist/girder/beam member components shall be used in a dry, well ventilated environment where the moisture content will not exceed 16% - such as in most covered structure.
- Point loads from above shall be solidly blocked (squash blocks) to solid bearing below.
- All floor sheathing must be attached (as indicated - nailed only or nailed and glued) for the entire length of the joist.
- Blocking required over all interior supports under load bearing walls or when floor joists are not continuous over support, for cantilevered joists or when indicated on the layout.
- All lengths and quantities must be verified prior to installation.

Second Floor Elev A & B							
Joist							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J2	NI-20	2.5	9.5			52	12-0-0
J6	NI-20	2.5	9.5			6	10-0-0
J1	NI-20	2.5	9.5			16	8-0-0
J5	NI-20	2.5	9.5			4	6-0-0
J4	NI-40x	2.5	9.5			41	16-0-0
Blocking							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BLK1	NI-20	2.5	9.5	LinFt		Varies	87-0-0
LVL/LSL							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB6	2.0E Microllam LVL	1.75	9.5			6	12-0-0
FB9	2.0E Microllam LVL	1.75	9.5			2	10-0-0
FB5	2.0E Microllam LVL	1.75	9.5			3	8-0-0
FB7	2.0E Microllam LVL	1.75	9.5			1	6-0-0
FB4	2.0E Microllam LVL	1.75	9.5			2	4-0-0
FB8	2.0E Microllam LVL	1.75	9.5			2	2-0-0
DB4	2.0E Microllam LVL	1.75	16	1	3	3	20-0-0
Rim Board							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	Common Rim Board 1.125 X 9.5	1.125	9.5			16	12
Hanger							
				Beam/Girder		Supported Member	
Label	Pcs	Description	Skew	Slope	fasteners	fasteners	
Hg1	28	LT259			4 10dx1 1/2	2 10dx1 1/2	
Hg2	9	HUS1.81/10			30 10dx1 1/2	10 16d	

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