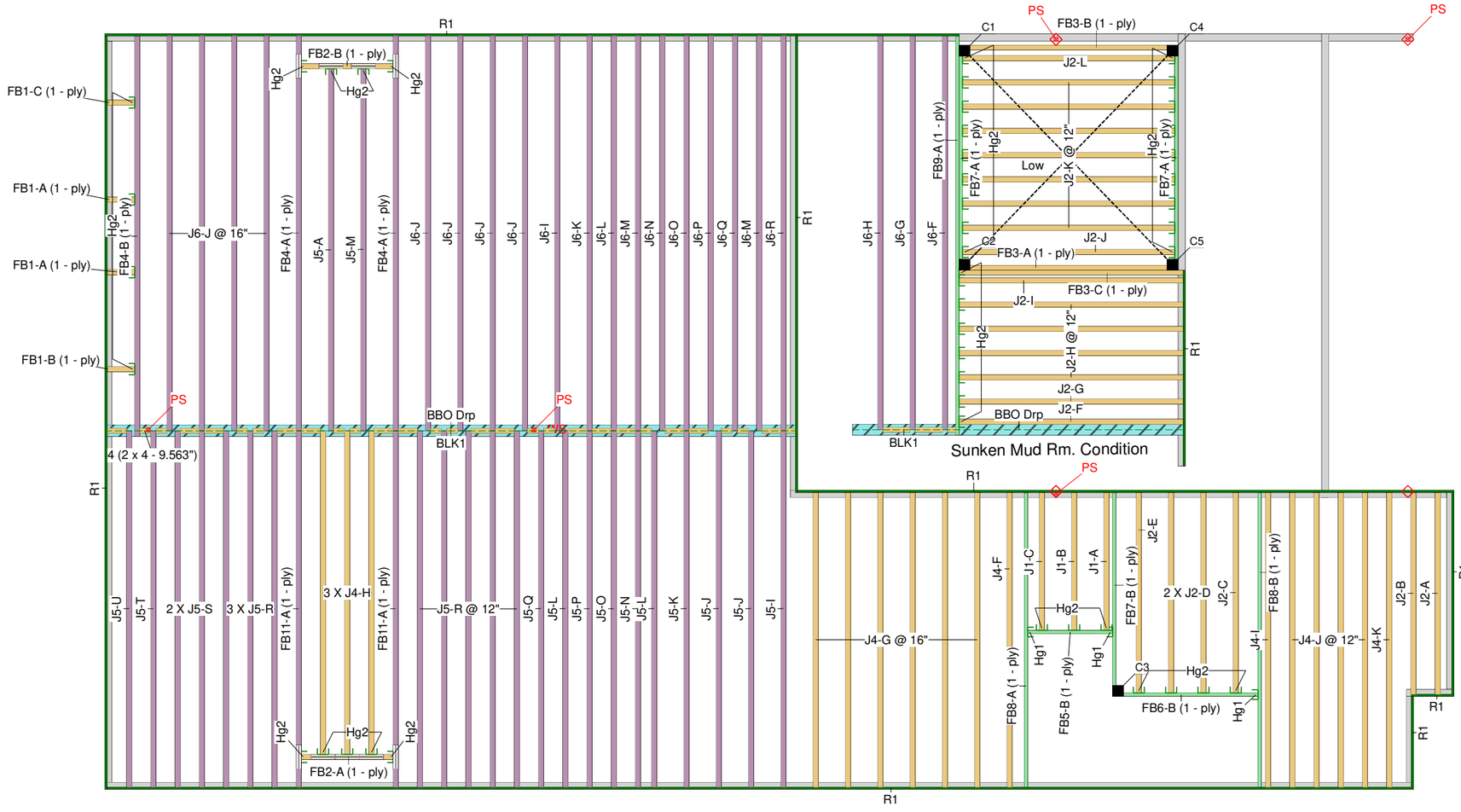
Ground Floor Elev A & B

Scale 3/16 inch : 1 ft.



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
	5.5 X 9.5 (Dropped)

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

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

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.

ARGO LUMBER INC.
ALPA LUMBER GROUP

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

Project
Kings

Layout Name
4004

Builder
Esquire Homes

Shipping
Kings Crescent
Ajax, Ontario

Design Method
LSD

Created
January 29, 2018

Revised
February 12, 2019

Description
Revision 1

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	

Ground Floor Elev A & B

I Joist

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB3	NI-20	2.5	9.5			3	10-0-0
FB2	NI-20	2.5	9.5			2	4-0-0
FB1	NI-20	2.5	9.5			4	2-0-0
J4	NI-20	2.5	9.5			16	14-0-0
J2	NI-20	2.5	9.5			22	10-0-0
J1	NI-20	2.5	9.5			3	6-0-0
J6	NI-40x	2.5	9.5			21	18-0-0
J5	NI-40x	2.5	9.5			24	16-0-0
FB4	NI-40x	2.5	9.5			3	18-0-0
FB11	NI-40x	2.5	9.5			2	16-0-0

Blocking

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BLK1	NI-20	2.5	9.5	LinFt		Varies	21-0-0

LVL/LSL

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB9	2.0E Microllam LVL	1.75	9.5			1	18-0-0
FB8	2.0E Microllam LVL	1.75	9.5			2	14-0-0
FB7	2.0E Microllam LVL	1.75	9.5			3	10-0-0
FB6	2.0E Microllam LVL	1.75	9.5			1	6-0-0
FB5	2.0E Microllam LVL	1.75	9.5			1	4-0-0

Rim Board

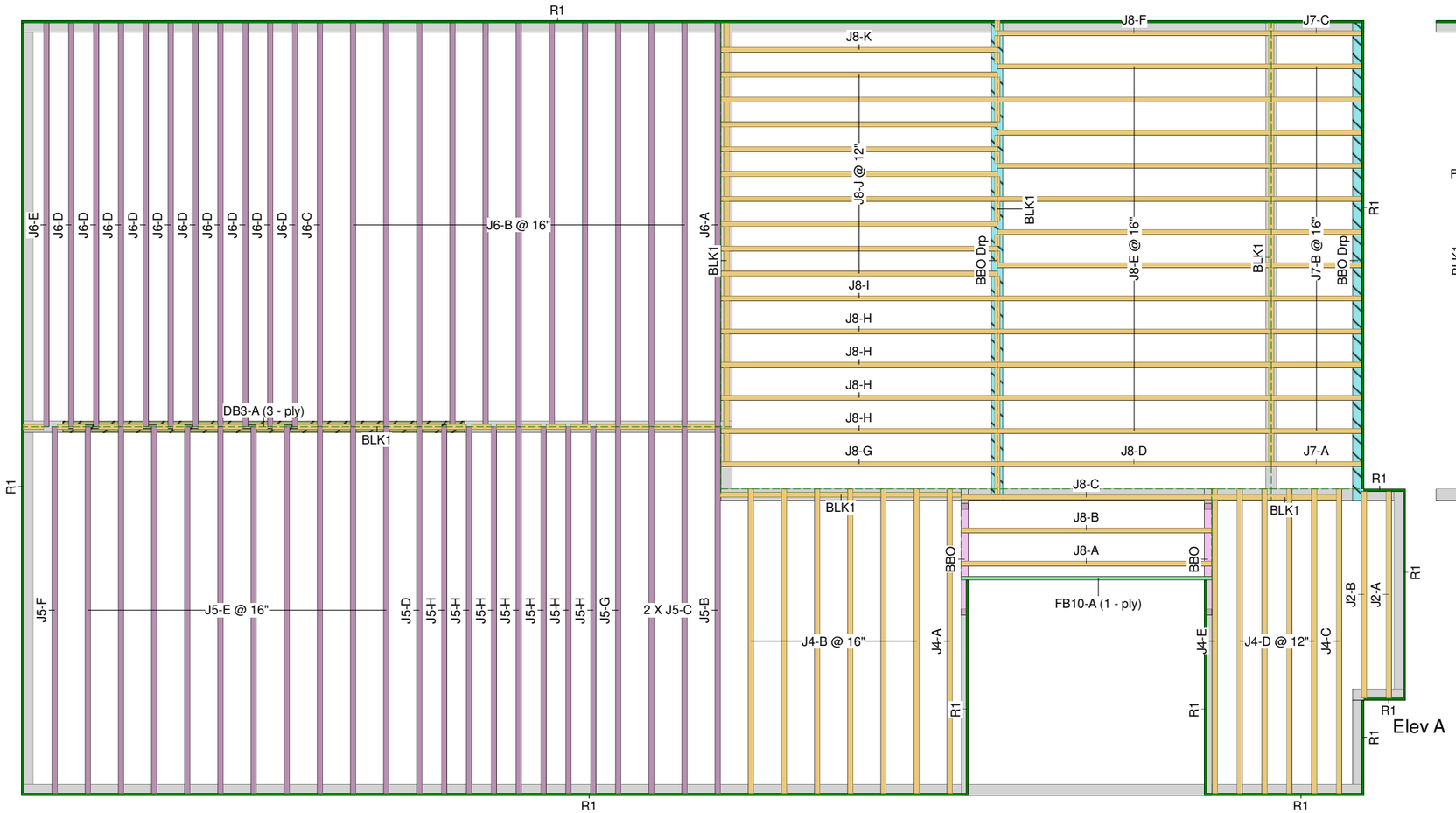
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	Common Rim Board 1.125 X 9.5	1.125	9.5			16	12

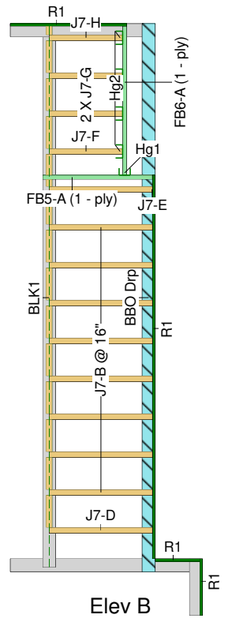
Hanger

Label	Pcs	Description	Skew	Slope	Beam/Girder fasteners	Supported Member fasteners
Hg1	3	HUS1.81/10			30 10dx1 1/2	10 16d
Hg2	46	LT259			4 10dx1 1/2	2 10dx1 1/2

Second Floor Elev A & B

Scale 3/16 inch : 1 ft.





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4004

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Kings Crescent
Ajax, Ontario

Design Method
LSD

Created
January 29, 2018

Revised
February 12, 2019

Description
Revision 1

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
	Wall Opening
	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 14 (Dropped)
	3.5 X 11.88 (Dropped)
	5.5 X 9.5 (Dropped)

See attached sealed span charts
for all uniformly loaded beams.
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SHALL CONFORM TO OBC 9.30.06"

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Second Floor Elev A & B

I Joist

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J4	NI-20	2.5	9.5			13	14-0-0
J8	NI-20	2.5	9.5			33	12-0-0
J2	NI-20	2.5	9.5			2	10-0-0
J7	NI-20	2.5	9.5			28	4-0-0
J6	NI-40x	2.5	9.5			24	18-0-0
J5	NI-40x	2.5	9.5			23	16-0-0

Blocking

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
BLK1	NI-20	2.5	9.5	LinFt		Varies	92-0-0

LVL/LSL

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB10	2.0E Microllam LVL	1.75	9.5			1	12-0-0
FB6	2.0E Microllam LVL	1.75	9.5			1	6-0-0
FB5	2.0E Microllam LVL	1.75	9.5			1	4-0-0
DB3	2.0E Microllam LVL	1.75	14	1	3	3	18-0-0

Rim Board

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	Common Rim Board 1.125 X 9.5	1.125	9.5			17	12

Hanger

Label	Pcs	Description	Skew	Slope	Beam/Girder fasteners	Supported Member fasteners
Hg1	1	HUS1.81/10			30 10dx1 1/2	10 16d
Hg2	4	LT259			4 10dx1 1/2	2 10dx1 1/2