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

DESIGN ASSUMPTIONS

Floor Loads:
T/C Live: 40 psf B/C Live: 0 psf
T/C Dead: 15 psf B/C Dead: 0 psf
Load Case: Live

Deflection Criteria: L/360 Live L/240 Total
Building Code: OBC-2012 (Limit States Design)

Building Type: Residential Importance Category: Normal(Part 9)
Design assumes continuous lateral bracing for both edges.
Joist Design Includes CCMC Vibration Check
Subfloor: 5/8" Canadian softwood plywood/Glued and Nailed
Ceiling: (None)
Blocking: (As Shown)

Reported Reactions are UN-FACTORED Loads

Connector List

ID#	Model Number
H1	HUS1.81/10
H2	LT251188

JOIST MATERIALS

Type	Product	Length
J1	11 7/8" NI-20	16' 0"
J2	v v	10' 0"
J3	11 7/8" NI-40x	20' 0"

FLUSH GIRDERS

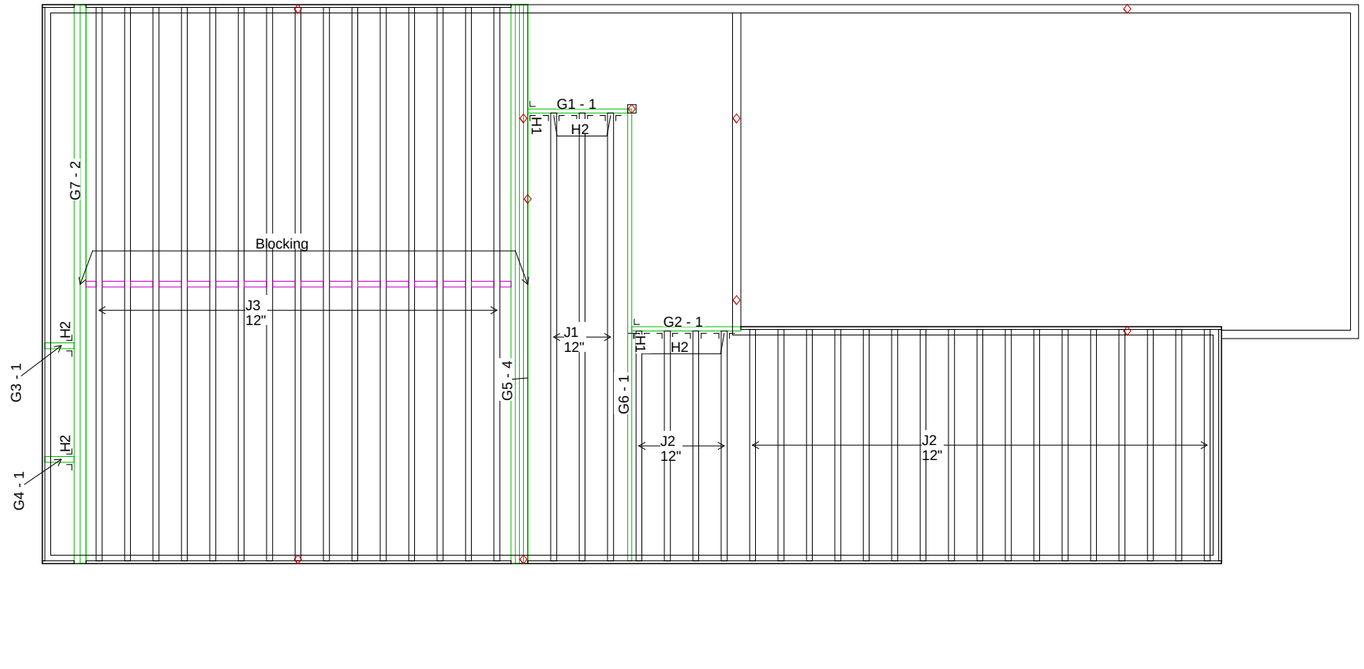
Type	Product	Length
G1	1 3/4"x11 7/8" 2.0E Microllam LVL	4' 0"
G2	v v	4' 0"
G3	11 7/8" NI-20	2' 0"
G4	v v	2' 0"
G5	1 3/4"x11 7/8" 2.0E Microllam LVL	20' 0"
G6	v v	16' 0"
G7	11 7/8" NI-40x	20' 0"

RIMBOARD & RIMJOISTS

Type	Product	Length
R1	1-1/8" x 11-7/8" Rimboard	12' 0"

BLOCKING

Type	Product	Length
E1	11 7/8" NI-40x	4' 0"



GENERAL NOTES

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 comnonnent desian. 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 layo
10. All lengths and quantities must be verified prior to installation.

Represents Wall Above

Represents Load From Above

Job: A15-085
Scale: 3/16" = 1'
Keybuild 1.102.1 [Build 4]

ARGO LUMBER INC.
ALPA LUMBER GROUP

DWG. NO.
Main FL L-5

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Riverrun
Ajax, Ontario
The Thistle
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Argo Lumber Inc.
10275 Keele Street
Maple ON L6A 1S7
Tel: 905-832-2251
Drawn By: Scott Sostar

E THIS LAYOUT IS A GUIDE ONLY! CONFIRMATION OF ALL QUANTITIES, LENGTHS, AND DETAILS REMAINS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

See attached sealed span charts
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Load Case: Live

Deflection Criteria: L/360 Live L/240 Total
Building Code: OBC-2012 (Limit States Design)

Building Type: Residential Importance Category: Normal(Part 9)
Design assumes continuous lateral bracing for both edges.
Joist Design Includes CCMC Vibration Check
Subfloor: 5/8" Canadian softwood plywood/Glued and Nailed
Ceiling: 1/2" gypsum
Blocking: (As Shown)

Reported Reactions are UN-FACTORED Loads

Connector List

ID#	Model Number
H1	HHUS410
H2	HUS1.81/10
H3	LT251188
H4	LT251188

JOIST MATERIALS

Type	Product	Length
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J2	v v	12' 0"
J3	v v	10' 0"
J4	v v	6' 0"
J5	11 7/8" NI-40x	20' 0"

FLUSH GIRDERS

Type	Product	Length
G1	1 3/4"x11 7/8" 2.0E Microllam LVL	6' 0"
G2	v v	4' 0"
G3	v v	8' 0"
G4	v v	12' 0"
G5	v v	14' 0"
G6	v v	20' 0"

DROP BEAMS

Type	Product	Length
B7	2X10 #2 S.P.F.	4' 0"

RIMBOARD & RIMJOISTS

Type	Product	Length
R1	1-1/8" x 11-7/8" Rimboard	12' 0"

BLOCKING

Type	Product	Length
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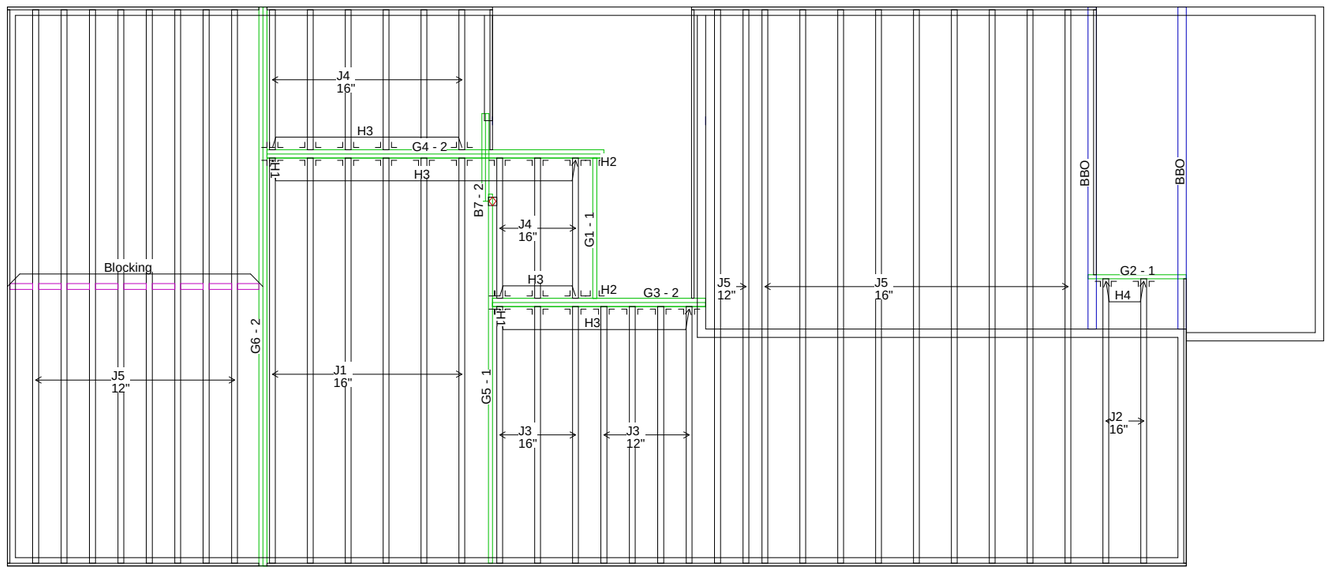

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Represents Wall Above

Represents Load From Above

Job: A15-085
Scale: 3/16" = 1'
Keybuild 1.102.1 [Build 4]

ARGO LUMBER INC.
ALPA LUMBER GROUP

DWG. NO.
Second FL L-10

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