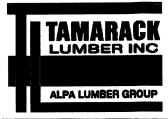


		Products		
PlotID	Length	Product	Plies	Net Qty
J1	16-00-00	9 1/2" NI-40x	1	5
J2	14-00-00	9 1/2" NI-40x	1	3
J3	12-00-00	9 1/2" NI-40x	1	14
J4	12-00-00	9 1/2" NI-40x	2	4
J5	10-00-00	9 1/2" NI-40x	1	36
J6	4-00-00	9 1/2" NI-40x	1	1
J7	2-00-00	9 1/2" NI-40x	1	6
B7	8-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B5	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1
B6	2-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1

Connector Summary				
Qty	Manuf	Product		
3	H1	IUS2.56/9.5		
7	H1	IUS2.56/9.5		
2	H1	IUS2.56/9.5		
6	H1	IUS2.56/9.5		
1	H2	HUS1.81/9.5		



BUILDER: GREENPARK

SITE:

STARTIME

MODEL: ELMBROOK 10A

ELEVATION: 1

LOT:

CITY: VAUGHAN

SALESMAN: MARIO DESIGNER: AJ PL

REVISION:

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. SQUASH BLOCKS

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

WALLS.

MULTIPLE SQUASH BLOCKS REQ'D UNDER CONCENTRATED LOADS.

CANTILEVERED JOISTS

REQUIRE I-JOIST BLOCKING ALONG BEARING AND RIMBOARD CLOSURE

ΑT

ENDS.

REFER TO THE NORDIC

INSTALLATION GUIDE FOR PROPER

STORAGE AND INSTALLATION.

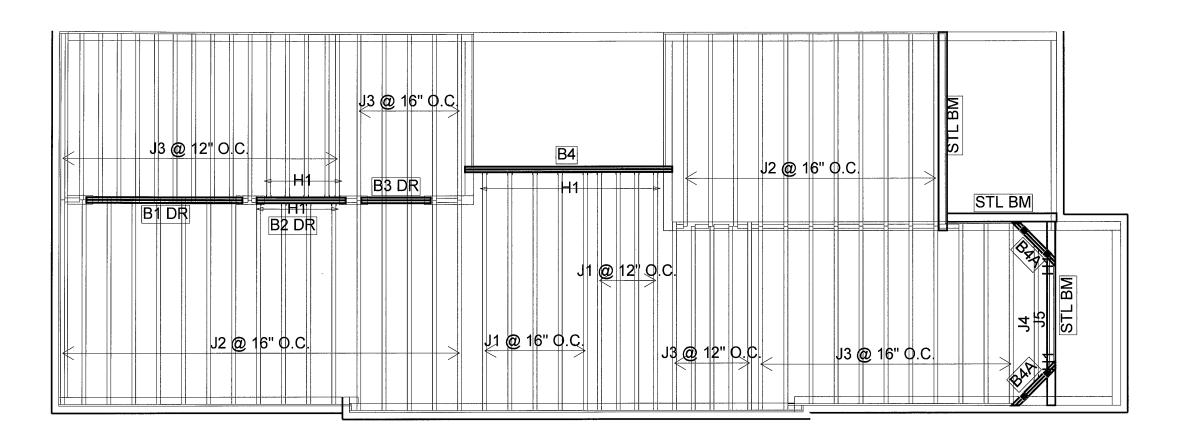
DESIGN LOADS: L/480.000 LIVE LOAD: 40.0 lb/ft² DEAD LOAD: 15.0 lb/ft

TILED AREAS: 20 fb/ft

SUBFLOOR: 3/4" GLUED AND NAILED

DATE: 5/10/2016

1st FLOOR



		Products		
PlotID	Length	Product	Plies	Net Qty
J1	14-00-00	9 1/2" NI-40x	1	9
J2	12-00-00	9 1/2" NI-40x	1	28
J3	10-00-00	9 1/2" NI-40x	1	37
J4	8-00-00	9 1/2" NI-40x	1	1
J5	6-00-00	9 1/2" NI-40x	1	1
B4	12-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B1 DR	10-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B2 DR	6-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B3 DR	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B4A	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	4

Connector Summary				
Qty	Product			
18	H1	IUS2.56/9.5		
1	H1	IUS2.56/9.5		
1	H1	IUS2.56/9.5		



BUILDER: GREENPARK

SITE:

STARTIME

MODEL: ELMBROOK 10A

ELEVATION: 1

LOT:

CITY: VAUGHAN

SALESMAN: MARIO DESIGNER: AJ REVISION:

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. SQUASH BLOCKS

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

WALLS.

MULTIPLE SQUASH BLOCKS REQ'D UNDER CONCENTRATED LOADS.

CANTILEVERED JOISTS

REQUIRE I-JOIST BLOCKING ALONG BEARING AND RIMBOARD CLOSURE

ΑT

ENDS.

REFER TO THE NORDIC

INSTALLATION GUIDE FOR PROPER

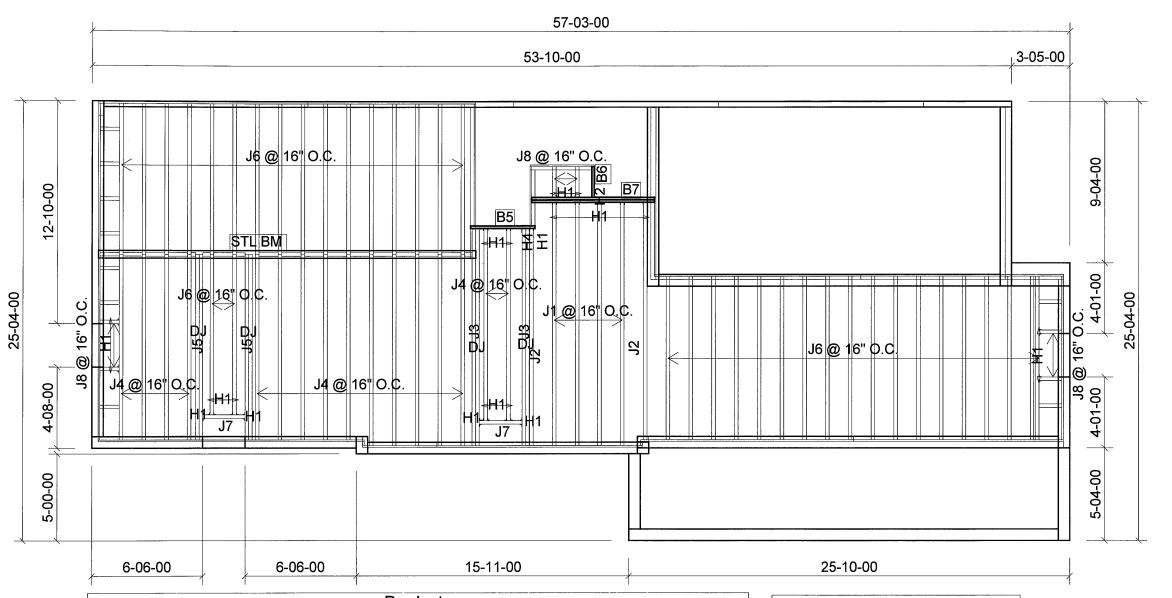
STORAGE AND INSTALLATION.

DESIGN LOADS: L/480.000 LIVE LOAD: 40.0 lb/ft² DEAD LOAD: 15.0 fb/ft TILED AREAS: 20 fb/ft

SUBFLOOR: 5/8" GLUED AND NAILED

DATE: 5/10/2016

2nd FLOOR



		Products		
PlotID	Length	Product	Plies	Net Qty
J1	16-00-00	9 1/2" NI-40x	1	4
J2	14-00-00	9 1/2" NI-40x	1	2
J3	14-00-00	9 1/2" NI-40x	2	4
J4	12-00-00	9 1/2" NI-40x	1	16
J5	12-00-00	9 1/2" NI-40x	2	4
J6	10-00-00	9 1/2" NI-40x	1	36
J7	4-00-00	9 1/2" NI-40x	1	2
J8	2-00-00	9 1/2" NI-40x	1	6
B7	8-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B5	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1
B6	2-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1

Connector Summary				
Manuf	Product			
H1	IUS2.56/9.5			
H2	HUS1.81/9.5			
H4	HU310-2			
	Manuf H1 H1 H1 H1 H2			



FROM PLAN DATED:

BUILDER: GREENPARK

SITE: STARTIME

MODEL: ELMBROOK 10A

ELEVATION: 2

LOT:

CITY: VAUGHAN

SALESMAN: MARIO DESIGNER: AJ REVISION:

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. **SQUASH BLOCKS**

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

WALLS.

MULTIPLE SQUASH BLOCKS REQ'D UNDER CONCENTRATED LOADS.

CANTILEVERED JOISTS

REQUIRE I-JOIST BLOCKING ALONG BEARING AND RIMBOARD CLOSURE AΤ

ENDS.

REFER TO THE NORDIC

INSTALLATION GUIDE FOR PROPER

STORAGE AND INSTALLATION.

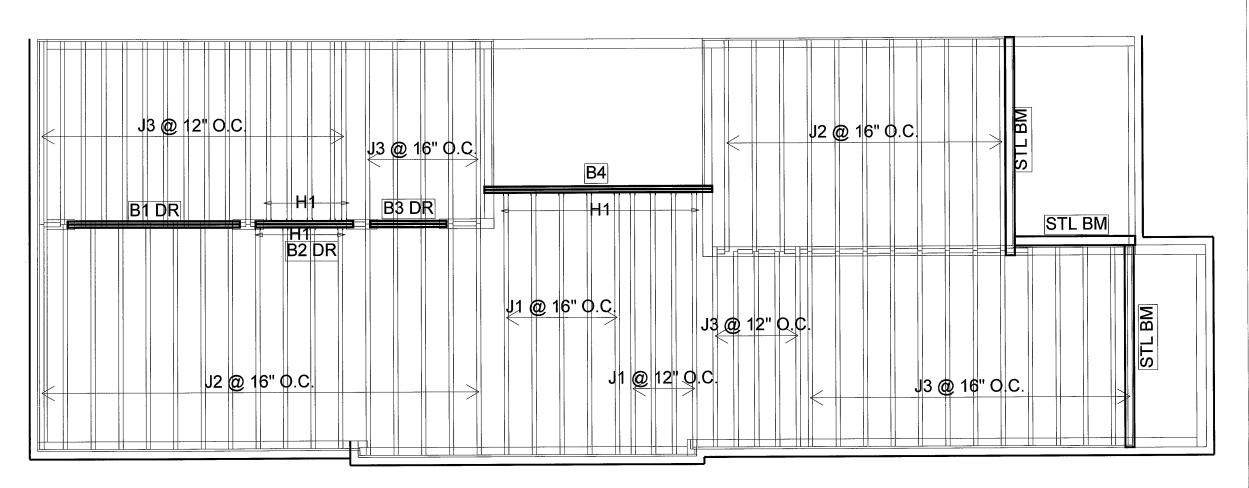
DESIGN LOADS: L/480.000

LIVE LOAD: 40.0 lb/ft² DEAD LOAD: 15.0 h/ft TILED AREAS: 20 fb/ft

SUBFLOOR: 3/4" GLUED AND NAILED

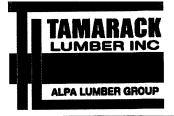
DATE: 5/10/2016

1st FLOOR



	Products				
PlotID	Length	Product	Plies	Net Qty	
J1	14-00-00	9 1/2" NI-40x	1	9	
J2	12-00-00	9 1/2" NI-40x	1	28	
J3	10-00-00	9 1/2" NI-40x	1	39	
B4	12-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	
B1 DR	10-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	
B2 DR	6-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	
B3 DR	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	

	Connector Summary			
Qt	y Manuf	Product		
18	H1	IUS2.56/9.5		



FROM PLAN DATED:

BUILDER: GREENPARK

SITE:

STARTIME

MODEL: ELMBROOK 10A

ELEVATION: 2

LOT:

CITY: VAUGHAN

SALESMAN: MARIO DESIGNER: AJ REVISION:

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. SQUASH BLOCKS

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

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INSTALLATION GUIDE FOR PROPER

STORAGE AND INSTALLATION.

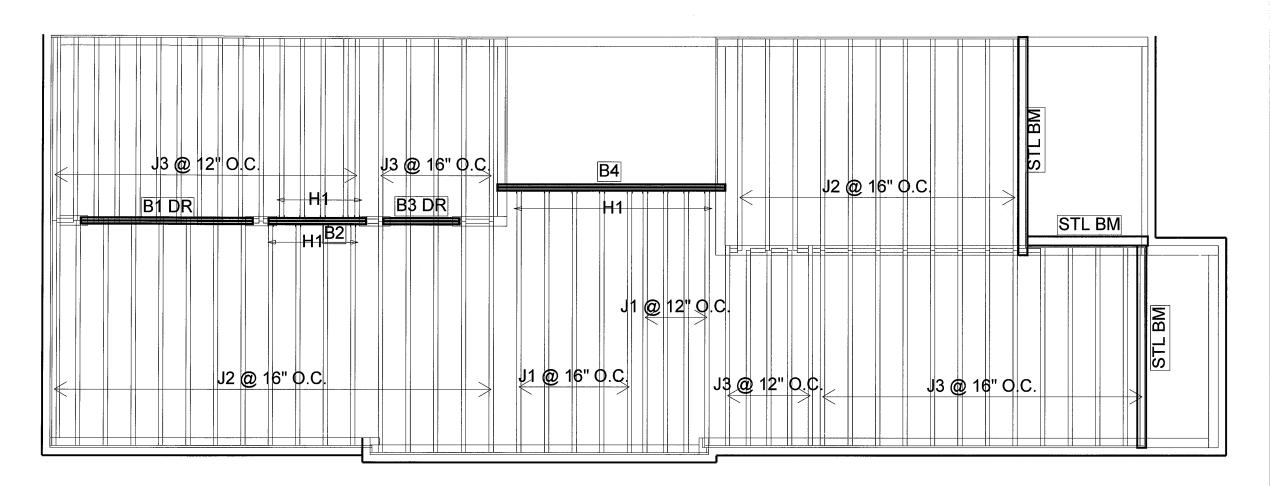
DESIGN LOADS: L/480.000 LIVE LOAD: 40.0 lb/ft² DEAD LOAD: 15.0 fb/ft

TILED AREAS: 20 fb/ft

SUBFLOOR: 5/8" GLUED AND NAILED

DATE: 5/10/2016

2nd FLOOR



	Products				
PlotID	Length	Product	Plies	Net Qty	
J1	14-00-00	9 1/2" NI-40x	1	9	
J2	12-00-00	9 1/2" NI-40x	1	28	
J3	10-00-00	9 1/2" NI-40x	1	39	
B4	12-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	
B1 DR	10-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	
B2	6-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	
B3 DR	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2	

C	Connector Summary				
Qty	Manuf	Product			
18	H1	IUS2.56/9.5			



BUILDER: GREENPARK

SITE: STARTIME

MODEL: ELMBROOK 10A

ELEVATION: 3

LOT:

CITY: VAUGHAN

SALESMAN: MARIO DESIGNER: AJ REVISION:

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. SQUASH BLOCKS

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

WALLS.

MULTIPLE SQUASH BLOCKS REQ'D UNDER CONCENTRATED LOADS.

CANTILEVERED JOISTS

REQUIRE I-JOIST BLOCKING ALONG BEARING AND RIMBOARD CLOSURE AT

ENDS.

REFER TO THE NORDIC

INSTALLATION GUIDE FOR PROPER

STORAGE AND INSTALLATION.

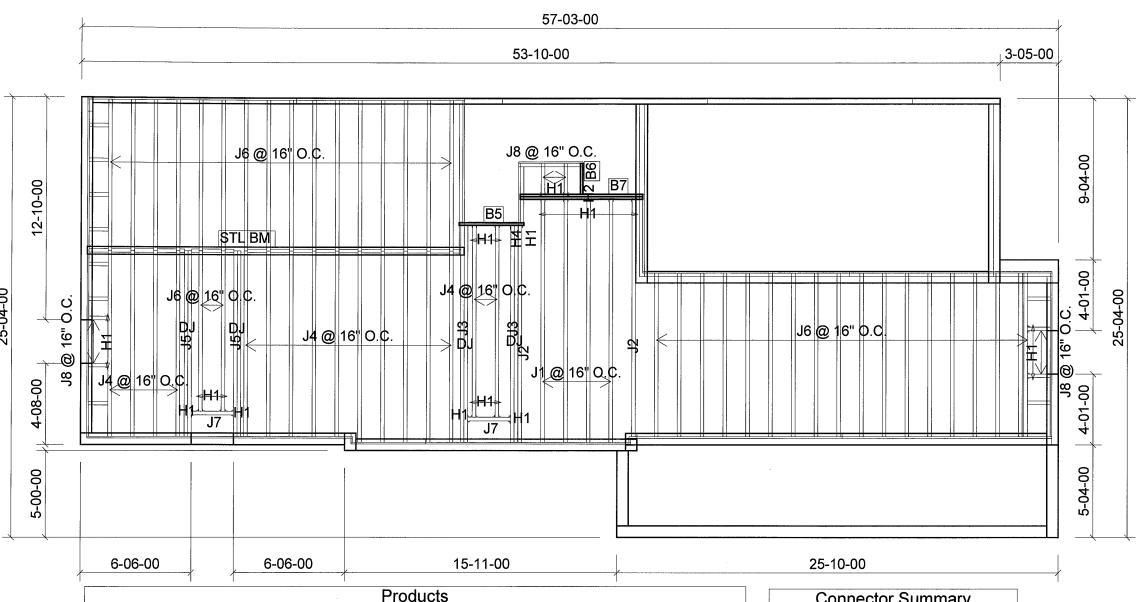
DESIGN LOADS: L/480.000 LIVE LOAD: 40.0 lb/ft²

DEAD LOAD: 15.0 lb/ft TILED AREAS: 20 lb/ft

SUBFLOOR: 5/8" GLUED AND NAILED

DATE: 5/10/2016

2nd FLOOR



Products				
PlotID	Length	Product	Plies	Net Qty
J1	16-00-00	9 1/2" NI-40x	1	4
J2	14-00-00	9 1/2" NI-40x	1	2
J3	14-00-00	9 1/2" NI-40x	2	4
J4	12-00-00	9 1/2" NI-40x	1	16
J5	12-00-00	9 1/2" NI-40x	2	4
J6	10-00-00	9 1/2" NI-40x	1	36
J7	4-00-00	9 1/2" NI-40x	1	2
J8	2-00-00	9 1/2" NI-40x	1	6
B7	8-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B5	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1
B6	2-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1

Connector Summary				
Qty	Manuf	Product		
3	H1	IUS2.56/9.5		
7	H1	IUS2.56/9.5		
4	H1	IUS2.56/9.5		
8	H1	IUS2.56/9.5		
1	H2	HUS1.81/9.5		
1	H4	HU310-2		



BUILDER: GREENPARK

SITE: STARTIME

MODEL: ELMBROOK 10A

ELEVATION: 3

LOT:

CITY: VAUGHAN

SALESMAN: MARIO DESIGNER: AJ REVISION:

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. SQUASH BLOCKS

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

WALLS.

MULTIPLE SQUASH BLOCKS REQ'D UNDER CONCENTRATED LOADS.

CANTILEVERED JOISTS

REQUIRE I-JOIST BLOCKING ALONG BEARING AND RIMBOARD CLOSURE AT

ENDS.

ENDS.

REFER TO THE NORDIC

INSTALLATION GUIDE FOR PROPER

STORAGE AND INSTALLATION.

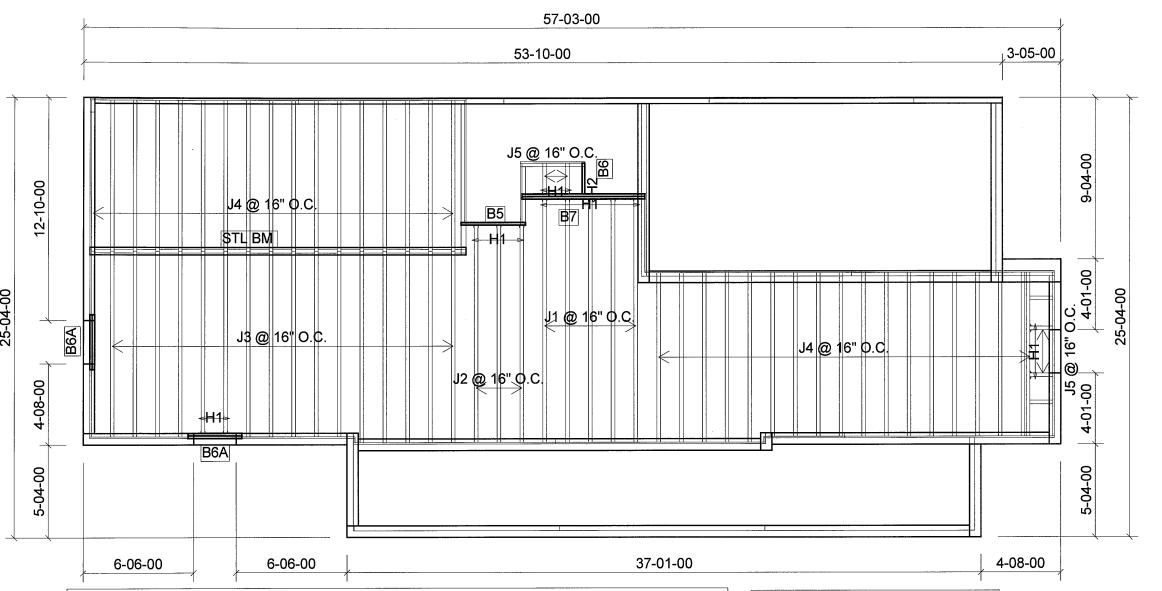
DESIGN LOADS: L/480.000

LIVE LOAD: 40.0 lb/ft² DEAD LOAD: 15.0 fb/ft TILED AREAS: 20 fb/ft

SUBFLOOR: 3/4" GLUED AND NAILED

DATE: 5/10/2016

1st FLOOR



		Products		
PlotID	Length	Product	Plies	Net Qty
J1	16-00-00	9 1/2" NI-40x	1	5
J2	14-00-00	9 1/2" NI-40x	1	3
J3	12-00-00	9 1/2" NI-40x	1	16
J4	10-00-00	9 1/2" NI-40x	1	35
J5	2-00-00	9 1/2" NI-40x	1	4
B7	8-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	2
B5	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1
B6A	4-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	2	4
B6	2-00-00	1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP	1	1

Connector Summary								
Qty	Manuf	Product						
3	H1	IUS2.56/9.5						
9	H1	IUS2.56/9.5						
2	H1	IUS2.56/9.5						
1	H2	HUS1.81/9.5						



BUILDER: GREENPARK

SITE:

STARTIME

MODEL: ELMBROOK 10A

ELEVATION: 1

LOT:

CITY: VAUGHAN

SALESMAN: MARIO DESIGNER: AJ REVISION:

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. SQUASH BLOCKS

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

WALLS.

MULTIPLE SQUASH BLOCKS REQ'D UNDER CONCENTRATED LOADS.

CANTILEVERED JOISTS

REQUIRE I-JOIST BLOCKING ALONG BEARING AND RIMBOARD CLOSURE

AT

ENDS.

REFER TO THE NORDIC

INSTALLATION GUIDE FOR PROPER

STORAGE AND INSTALLATION.

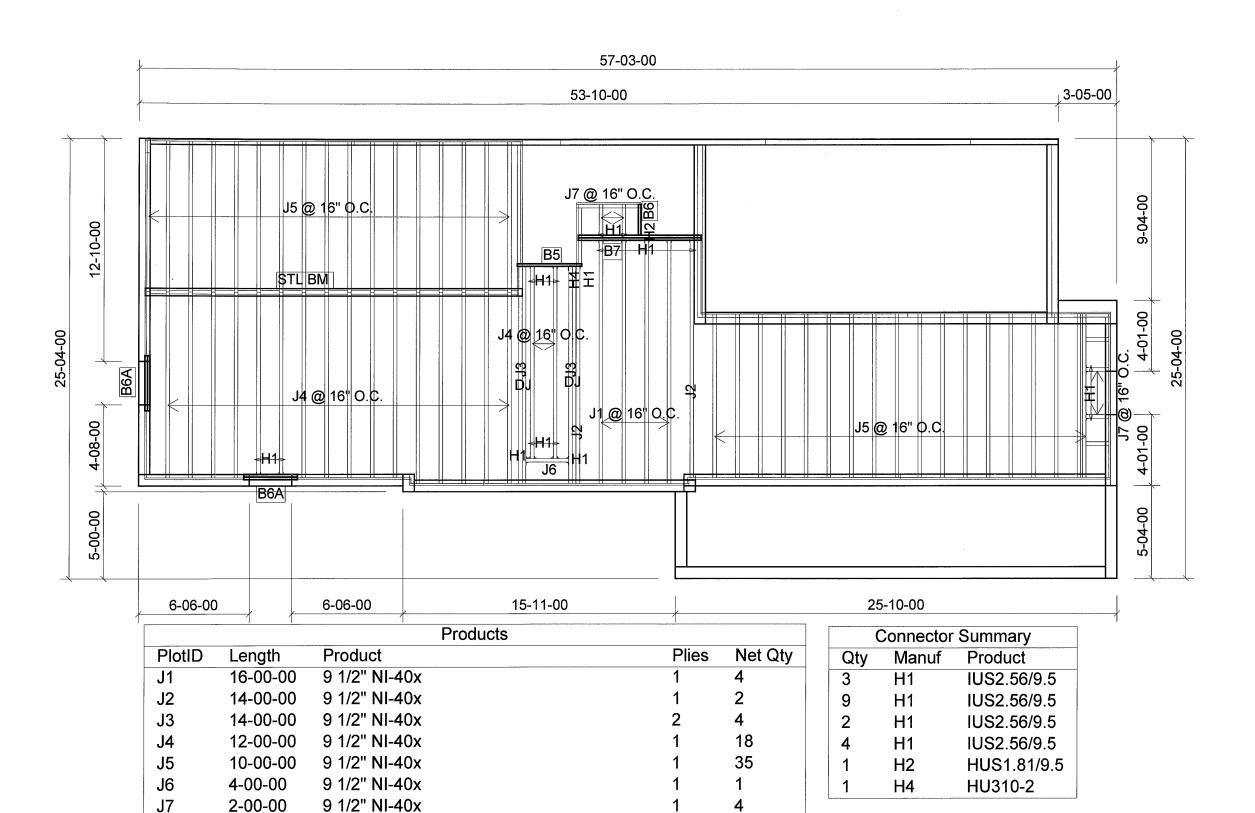
DESIGN LOADS: L/480.000 LIVE LOAD: 40.0 lb/ft² DEAD LOAD: 15.0 fb/ft TILED AREAS: 20 fb/ft

SUBFLOOR: 3/4" GLUED AND NAILED

DATE: 5/10/2016

1st FLOOR

WITH DECK CONDITION



1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

B7

B5

B₆A

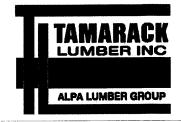
B6

8-00-00

4-00-00

4-00-00

2-00-00



FROM PLAN DATED: FEB 2016

BUILDER: GREENPARK

SITE: **STARTIME**

MODEL: ELMBROOK 10A

ELEVATION: 2 & 3

LOT:

CITY: VAUGHAN

SALESMAN: MARIO **DESIGNER: AJ REVISION:**

NOTES:

CERAMIC TILE APPLICATION

AS PER O.B.C. 9.30.6. **SQUASH BLOCKS**

2x4 OR 2x6 #2 S.P.F. REQ'D UNDER INTERIOR UNIFORM LOAD BEARING

WALLS.

MULTIPLE SQUASH BLOCKS REQ'D UNDER CONCENTRATED LOADS.

CANTILEVERED JOISTS

REQUIRE I-JOIST BLOCKING ALONG BEARING AND RIMBOARD CLOSURE

AT

ENDS.

REFER TO THE NORDIC

INSTALLATION GUIDE FOR PROPER

STORAGE AND INSTALLATION.

DESIGN LOADS: L/480.000

LIVE LOAD: 40.0 lb/ft² DEAD LOAD: 15.0 lb/ft TILED AREAS: 20 fb/ft

SUBFLOOR: 3/4" GLUED AND NAILED

DATE: 5/10/2016

1st FLOOR

WITH DECK CONDITION



Floor Beam\B01

Dry | 1 span | No cantilevers | 0/12 slope (deg)

May-16-14

BC CALC® Design Report - CA

Build 2627 Job Name:

Address:

MODEL-ELMBROOK 10 A

City, Province, Postal Code:

Customer: Code reports:

GREENPARK HOME CCMC 12472-R

File Name: ELMBROOK 10.bcc

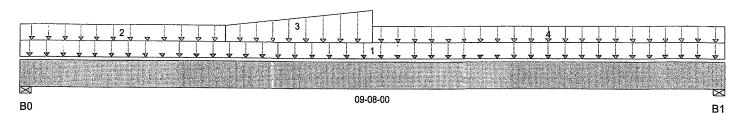
Description: Designs\B01

Specifier:

AWAIS HAMID Designer:

TAMARACK LUMBER INC Company:

BURLINGTON ON, Misc:



Total Horizontal Product Length = 09-08-00

Reaction Summary (Down / Uplift) (lbs)									
Bearing	Livé	Dead	Snow	₩ind					
B0, 3-1/2"	2,017 / 0	913 / 0							
B1, 3-1/2"	2,113 / 0	948 / 0							

Lo	oad Summary					Live	Dead	Snow	Wind	Trib.
<u>Ta</u>	g Description	Load Type	Rei	f. Start	End	1.00	0.65	1.00	1.15	
1	TILED FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	09-08-00	40	20			04-06-00
2	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	02-10-00	40	15			05-07-00
3	FLOOR	Trapezoidàl (lb/ft)	L	02-10-00		223	88			n/a
		, , ,			04-10-00	261	98			n/a
4	FLOOR	Unf. Area (lb/ft^2)	L	04-10-00	09-08-00	40	15			06-07-00

Controls Summary	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment	9,412 ft-lbs	25,408 ft-lbs	0.37	1	04-10-12
End Shear	3,365 lbs	11,571 lbs	0.29	1	08-07-00
Total Load Defl.	L/548 (0.202")	0.46"	0.44	4	04-10-02
Live Load Defl.	L/795 (0.139")	0.307"	0.45	5	04-10-04
Max Defl.	0.202"	1"	0.2	4	. 04-10-02
Span / Depth	11.6	n/a	n/a		00-00-00

<u>B</u> eari	ng Supports	Dim. (L x W)	Demand	Demand/ Resistance Support	Demand/ Resistance Member	Material
B0	Wall/Plate	3-1/2" x 3-1/2"	4,167 lbs	0.55	0.28	Spruce Pine Fir
B1	Wall/Plate	3-1/2" x 3-1/2"	4,354 lbs	0.58	0.29	Spruce Pine Fir

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086.

BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA O86 & 3ca

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.

User Notes

والمراز والمراج

DESIGNER B.C.I.N. 26064 NAIL 1 PLY 2 ANOTHER WITH 3 1/2" SPIRAL NAILS @ \$\frac{\psi}{\psi}\tag{\text{O.C. STAGGERED IN \text{\text{\text{MONORMORED}}}}\text{ ROWS.}

PROVICE NAILING DETAIL NO LB SEE OWG #TAMN1001-14

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER®, AJS™ ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood



DW8 NO. TAN 5160614 STRUCTURAL



Floor Beam\B02

Dry | 1 span | No cantilevers | 0/12 slope (deg)

May-16-14

В1

BC CALC® Design Report - CA

Build 2627

Job Name: Address:

MODEL-ELMBROOK 10A

City, Province, Postal Code:

Customer: Code reports: **GREENPARK HOME**

CCMC 12472-R

File Name: ELMBROOK 10.bcc

Description: Designs\B02

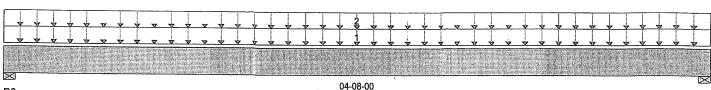
Specifier:

AWAIS HAMID

Designer: Company:

TAMARACK LUMBER INC

BURLINGTON ON, Misc:



B₀

Total Horizontal Product Length = 04-08-00

Reaction Summary (Do	wn / Uplift) (lbs)				
Bearing	Live	Dead	Snow	Wind	
B0, 3-1/2"	1,034 / 0	410 / 0			
B1. 3-1/2"	1 034 / 0	410 / 0			

Load Summary			Live	Dead	Snow Wind	Trib.
Tag Description	Load Type	Ref. Start	End 1.00	0.65	1.00 1.15	
1 FLOOR	Unf. Area (lb/ft^2)	L 00-00-00	04-08-00 40	15		04-06-00
2 FLOOR	Unf. Area (lb/ft^2)	L 00-00-00	04-08-00 40	15		06-07-00

Controls Summary	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment End Shear Total Load Defl. Live Load Defl. Max Defl. Span / Depth	1,958 ft-lbs 1,106 lbs L/999 (0.009") L/999 (0.006") 0.009"	25,408 ft-lbs 11,571 lbs n/a n/a n/a n/a	0.08 0.1 n/a n/a n/a n/a	1 1 4 5 4	02-04-00 01-01-00 02-04-00 02-04-00 02-04-00 00-00-00

Beari	ng Supports	Dim. (L x W)	Demand	Demand/ Resistance Support	Demand/ Resistance Member	Waterial	bi 0i 1-
B0	Wall/Plate	3-1/2" x 3-1/2"	2,064 lbs	0.27	0.14	Spruce F	ine Fir C
B1	Wall/Plate	3-1/2" x 3-1/2"	2,064 lbs	0.27	0.14	Spruce F	ine Fir B

Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria. Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086.

BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA 086. OBCLO 129

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.

User Notes

DESIGNER B.C.I.N. _ 26064

NAIL 1 PLY 2 ANOTHER WITH 3 1/2" SPIRAL NAILS

@ 似 "O.C. STAGGERED IN **@ SON** ROWS.

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER®, AJS™,
ALLJOIST®, BC RIM BOARD™, BCI®,
BOISE GLULAM™, SIMPLE FRAMING
SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM® VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.



PROVICE NAILING DETAIL NO 18 SEE OWB #TAMN1001-14

DWG NO . TAM 51607-14 STRUCTURAL COMPONENT ONLY

jaringang.



Floor Beam\B03

Dry | 1 span | No cantilevers | 0/12 slope (deg)

May-16-14

BC CALC® Design Report - CA

Build 2627

Job Name:

Address:

City, Province, Postal Code: Customer: Code reports:

MODEL-ELMBROOK 10 A

GREENPARK HOME CCMC 12472-R

File Name: ELMBROOK 10.bcc

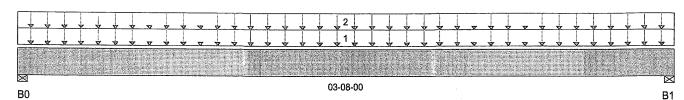
Description: Designs\B03

Specifier:

AWAIS HAMID Designer:

TAMARACK LUMBER INC Company:

BURLINGTON ON, Misc:



Total Horizontal Product Length = 03-08-00

Reaction Summary (Do	wn / Uplift) (lbs)		1000 (1000) (1000) (1000)		, M
Bearing	Live	Dead	Snow	Wind	
B0, 3-1/2"	739 / 0	294 / 0			
B1, 3-1/2"	739 / 0	294 / 0	•		

Lo	ad Summary					Live	Dead	Sno₩	Wind	Trib.
Tag	Description	Load Type	Ref	. Start	End	1.00	0.65	1.00	1.15	
1	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	03-08-00	40	15			04-06-00
2	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	03-08-00	40	15			05-07-00

Controls Summary	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment	1,037 ft-lbs	25,408 ft-lbs	0.04	1	01-10-00
End Shear	604 lbs	11,571 lbs	0.05	1	01-01-00
Total Load Defl.	L/999 (0.003")	n/a	n/a	4	01-10-00
Live Load Defl.	L/999 (0.002")	n/a	n/a	5	01-10-00
Max Defl.	0.003"	n/a	n/a	4	01-10-00
Span / Depth	4.1	n/a	n/a		00-00-00

Bea	ring Supports	Dim. (L x ₩)	Demand	Demand/ Resistance Support	Demand/ Resistance Member	Materia l
B0 B1	Wall/Plate Wall/Plate	3-1/2" x 3-1/2" 3-1/2" x 3-1/2"	1,477 lbs 1,477 lbs	0.2 0.2	0.1 0.1	Spruce Pine Fir
		•	.,		• • • • • • • • • • • • • • • • • • • •	-p

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER® , AJS™, ALLJOIST®, BC RIM BOARD™, BCI®. BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086.

BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA 086. pecial

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.

User Notes

DESIGNER B.C.I.N. 2606 4 NAIL 1 PLY 2 ANOTHER WITH 3 1/2" SPIRAL NAILS @ A 4 O.C. STAGGERED IN ™ ROWS. THREE

> PROVICE NAILING DETAIL NIB SEE OW8 #TAMN1001-14



DWG NO. TAM 5160814 STRUCTURAL COMPONENT ONLY



Floor Beam\B04

Dry | 1 span | No cantilevers | 0/12 slope (deg)

May-16-14

BC CALC® Design Report - CA

Build 2627

Job Name: Address:

City, Province, Postal Code:

Customer: Code reports: MODEL-ELMBROOK 10A

GREENPARK HOME

CCMC 12472-R

File Name: ELMBROOK 10.bcc

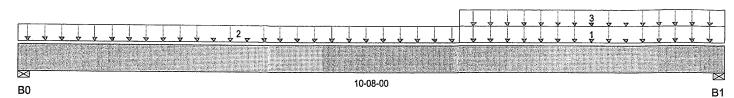
Description: Designs\B04

Specifier:

Designer: **AWAIS HAMID**

TAMARACK LUMBER INC Company:

BURLINGTON ON, Misc:



Total Horizontal Product Length = 10-08-00

Reaction Summary (Down / Uplift) (lbs)									
Bearing	Live	Dead	Snow	Wind	·				
B0, 3-1/2"	1,453 / 0	618 / 0							
B1. 3-1/2"	1,636 / 0	772 / 0							

Lo	ad Summary					Live	Dead	Sno₩	Wind	Trib.
Tag	Description	Load Type	Ref	. Start	End	1.00	0.65	1.00	1.15	
1	STAIRS	Unf. Area (lb/ft^2)	L	06-08-00	10-08-00	40	15			01-09-00
2	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	06-08-00	40	15			06-07-00
3	TILED FLOOR	Unf. Area (lb/ft^2)	L	06-08-00	10-08-00	40	20			06-07-00

Controls Summary	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment	7,557 ft-lbs	25,408 ft-lbs	0.3	1	05-06-13
End Shear	2,650 lbs	11,571 lbs	0.23	1	, 09-07-00
Total Load Defl.	L/612 (0.2")	0.51"	0.39	4	05-04-10
Live Load Defl.	L/882 (0.139")	0.34"	0.41	5	05-04-08
Max Defl.	0.2"	-1"	0.2	4	05-04-10
Span / Depth	12.9	n/a	n/a		00-00-00

Bea	ring Supports	Dim. (L x W)	Demand	Resistance Support	Resistance Member	Material	1
B0	Wall/Plate	3-1/2" x 3-1/2"	2,952 lbs	0.39	0.2	Spruce Pine Fi	r (
B1	Wall/Plate	3-1/2" x 3-1/2"	3,419 lbs	0.45	0.23	Spruce Pine Fi	r E

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER®, AJS™ ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086.

BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA 086.03

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.

User Notes

26064 DESIGNER B.C.I.N.

NAIL 1 PLY 2 ANOTHER WITH 3 1/2" SPIRAL NAILS

@ 12"O.C. STAGGERED IN @ ROWS.



PROVICE NAILING DETAIL WIA SEE OW6 #TAMN1001-14

DWG NO . TAM 51609-14 STRUCTURAL COMPONENT ONLY



Floor Beam\B04A

BC CALC® Design Report



Dry | 1 span | No cantilevers | 0/12 slope (deg)

February-27-15

Build 3272

Job Name:

Address:

MODEL-ELMBROOK 10A

City, Province, Postal Code:

Customer: Code reports: GreenPark Home CCMC 12472-R

File Name: ELMBROOK 10 Description: Designs\B04A

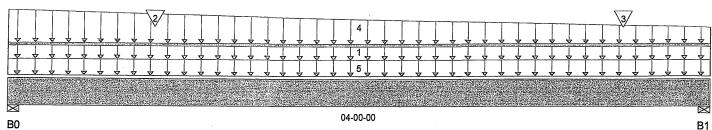
Specifier:

AWAIS HAMID Designer:

TAMARACK LUMBER INC Company:

Misc:

BURLINGTON ON,



Total Horizontal Product Length = 04-00-00

Reaction Summary (Down / Uplift) (lbs) Bearing Wind Dead Snow B0, 3-1/2" 471/0 475 / 0 457 / 0 B1, 3-1/2" 425 / 0 464 / 0 495 / 0

Lo	ad Summary					Live	Dead	Snow	Wind	Trib.
	Description	Load Type	Ref	. Start	End	1.00	0.65	1.00	1.15	
1	WALL	Unf. Lin. (lb/ft)	L	00-00-00	04-00-00	0	100			n/a
2	WINDOW	Conc. Pt. (lbs)	L	00-10-00	00-10-00	66	60	204		n/a
3	WINDOW	Conc. Pt. (lbs)	L	03-06-00	03-06-00	66	60	204		n/a
4	FLOOR	Trapezoidal (lb/ft)	L	00-00-00		187	70			n/a
		. , ,			04-00-00	107	40			n/a
5	ROOF	Unf. Area (lb/ft^2)	L	00-00-00	04-00-00	11	10	34		04-00-00

Controls Summary	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment	1,079 ft-lbs	25,408 ft-lbs	0.04	1	01-11-05
End Shear	988 lbs	11,571 lbs	0.09	1	01-01-00
Total Load Defl.	L/999 (0.004")	n/a	n/a	11	01-11-11
Live Load Defl.	L/999 (0.002")	n/a	n/a	15	01-11-11
Max Defl.	0.004"	n/a	n/a	11	01-11-11
Span / Depth	4.5	n/a	n/a		00-00-00

Beari	ing Supports	Dim. (L x W)	Demand	Demand/ Resistance Support	Demand/ Resistance Member	<u> </u>
В0	Wall/Plate	3-1/2" x 3-1/2"	1,529 lbs	0.2	0.1	Spruce Pine Fir
B1	Wall/Plate	3-1/2" x 3-1/2"	1,535 lbs	0.2	0.1	Spruce Pine Fir

Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086. Brown BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA 086.

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.



STRUCTURAL COMPONENT ONLY



Floor Beam\B04A

February-27-15

BC CALC® Design Report



Dry | 1 span | No cantilevers | 0/12 slope (deg)

Build 3272

Job Name:

Address:

MODEL-ELMBROOK 10A

City, Province, Postal Code:

Customer: Code reports: GreenPark Home

CCMC 12472-R

File Name: ELMBROOK 10 Description: Designs\B04A

Specifier:

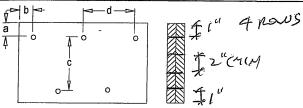
AWAIS HAMID Designer:

TAMARACK LUMBER INC Company:

Misc: BURLINGTON ON,

NAIL ONE PLY TO ANOTHER WITH 3 1/2" SPIRAL NAILS O.C., STAGGERED IN PROWS. @ B

Connection Diagram



c = 3-1/2" a minimum = 2" b minimum = 3" d = 🕮

Connection design assumes point load is top-loaded. For connection design of side-loaded point loads, please consult a technical representative or professional of Record. Member has no side loads.

Connectors are: 16d Mass Nails (3/2 ARDS SPIRAL)

Disclosure

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COMPONENT ONLY

Floor Beam\B05

Dry | 1 span | No cantilevers | 0/12 slope (deg)

May-16-14

BC CALC® Design Report - CA

Build 2627

Job Name: Address:

MODEL-ELMBROOK 10A

City, Province, Postal Code;

Customer: Code reports: GREENPARK HOME

CCMC 12472-R

File Name: ELMBROOK 10.bcc

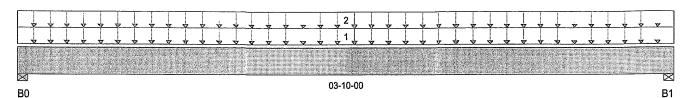
Description: Designs\B05

Specifier:

Designer: AWAIS HAMID

Company: TAMARACK LUMBER INC

Misc: BURLINGTON ON



Total Horizontal Product Length = 03-10-00

Reaction Summary (Down / Uplift) (lbs)										
Bearing	Live	Dead	Snow	Wind						
B0, 3-1/2"	645 / 0	251 / 0								
B1 3-1/2"	645 / 0	251 / 0								

Lo	ad Summary		٠			Live	Dead	Snow	₩ind	Trib.
Tag	Description	Load Type	Rei	. Start	End	1.00	0.65	1.00	1.15	
1	STAIRS	Unf. Area (lb/ft^2)	L	00-00-00	03-10-00	40	15			01-11-00
2	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	03-10-00	40	15			06-06-00

Controls Summary	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment	952 ft-lbs	12,704 ft-lbs	0.07	1	01-11-00
End Shear	557 lbs	5,785 lbs	0.1	1	01-01-00
Total Load Defl.	L/999 (0.005")	n/a	n/a	4	01-11-00
Live Load Defl.	L/999 (0.004")	n/a	n/a	5	01-11-00
Max Defl.	0.005"	n/a	n/a	4	01-11-00
Span / Depth	4.3	n/a	n/a		00-00-00

				Demand/ Resistance	Demand/ Resistance		b
Beari	ng Supports	Dim. (L x W)	Demand	Support	Member	Material	1
B0	Wall/Plate	3-1/2" x 1-3/4"	1,282 lbs	0.34	0.17	Spruce Pine	Fir ,
B1	Wall/Plate	3-1/2" x 1-3/4"	1,282 lbs	0.34	0.17	Spruce Pine	Fir E

Disclosure Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER® , AJS™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM® VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria. Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086.

BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA O86. Backet A

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4
Deflections less than 1/8" were ignored in the results.

User Notes

S. KATSOULAKOS E

DWG NO . TAN 5/6/0-14 Structural Component only



Dry | 1 span | No cantilevers | 0/12 slope (deg)

May-16-14

Floor Beam\B06

BC CALC® Design Report - CA

Build 2627

Job Name:

MODEL-ELMBROOK 10 A Address:

City, Province, Postal Code:

Customer: Code reports:

GREENPARK HOME CCMC 12472-R

File Name: ELMBROOK 10.bcc

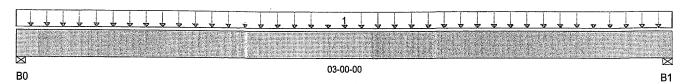
Description: Designs\B06

Specifier:

Designer: **AWAIS HAMID**

Company: TAMARACK LUMBER INC

BURLINGTON ON. Misc:



Total Horizontal Product Length = 03-00-00

Reaction Summary (Down / Uplift) (lbs)										
Bearing	Live	Dead	Snow	Wind						
B0, 3-1/2"	40 / 0	22 / 0								
B1, 3-1/2"	40 / 0	22 / 0								

Lc	oad Summary					Live	Dead	Sno₩	₩ind	Trib.
Ta	g Description	Load Type	Ref	. Start	End	1.00	0.65	1.00	1.15	
1	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	03-00-00	40	15			00-08-00

	Factored	Factored	Demand /	Load	Location
Controls Summary	Demand	Resistance	Resistance	Case	
Pos. Moment	47 ft-lbs	12,704 ft-lbs	0	1	01-06-00
End Shear	24 lbs	5,785 lbs	0	1	01-01-00
Total Load Defl.	L/999 (0")	n/a	n/a	4	01-06-00
Live Load Defl.	L/999 (0")	n/a	n/a	5	01-06-00
Max Defl.	0"	n/a	n/a	4	01-06-00
Span / Depth	3.2	n/a	n/a		00-00-00

Beari	ng Supports	Dim. (L x W)	Demand	Demand/ Resistance Support	Demand/ Resistance Member	Material
B0	Wall/Plate	3-1/2" x 1-3/4"	88 lbs	0.02	0.01	Spruce Pine Fir
B1	Wall/Plate	3-1/2" x 1-3/4"	88 lbs	0.02	0.01	Spruce Pine Fir

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER®, AJS™ ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086.

BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA O86. ascentil

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.

User Notes



DWG NO . TAM 516(1-14 STRUCTURAL COMPONENT ONLY

Floor Beam\B06A

BC CALC® Design Report



Dry | 1 span | No cantilevers | 0/12 slope (deg)

February-27-15

Build 3272

Job Name:

Address:

MODEL-ELMBROOK 10 A

City, Province, Postal Codes

Customer: Code reports: GreenPark Home

CCMC 12472-R

File Name: ELMBROOK 10 Description: Designs\B06A

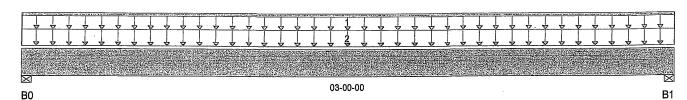
Specifier:

Designer: AWAIS HAMID

TAMARACK LUMBER INC Company:

Misc:

BURLINGTON ON,



Total Horizontal Product Length = 03-00-00

Reaction Summary (Down / Uplift) (lbs)									
Bearing	Live	Dead	Snow	Wind					
B0, 3-1/2"	330 / 0	288 / 0							
B1, 3-1/2"	330 / 0	288 / 0							

Load Summary			Live	Dead	Snow Wind	Trib.
Tag Description	Load Type	Ref. Start	End 1.00	0.65	1.00 1.15	
1 WALL	Unf. Lin. (lb/ft)	L 00-00-00	03-00-00 0	100		n/a
2 FLOOR	Unf. Area (lb/ft^2)	L 00-00-00	03-00-00 40	15		05-06-00

Controls Summary	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment	460 ft-lbs	25,408 ft-lbs	0.02	1	01-06-00
End Shear	238 lbs	11,571 lbs	0.02	1	01-01-00
Total Load Defl.	L/999 (0.001")	n/a	n/a	4	01-06-00
Live Load Defl.	L/999 (0")	n/a	n/a	5	01-06-00
Max Defl.	0.001"	n/a	n/a	4	01-06-00
Span / Depth	3.2	n/a	n/a		00-00-00

Beari	ing Supports	Dim. (L x W)	Demand	Demand/ Resistance Support	Demand/ Resistance Member	Material
B0	Wall/Plate	3-1/2" x 3-1/2"	855 lbs	0.11	0.06	Spruce Pine Fir
B1	Wall/Plate	3-1/2" x 3-1/2"	855 lbs	0.11	0.06	Spruce Pine Fir

Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086. @2000 BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA 086.

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.

User Notes

NAIL ONE PLY TO ANOTHER WITH 3 1/2" SPIRAL NAILS O.C., STAGGERED IN TWO ROWS. 811



COMPONENT ONLY



Floor Beam\B06A

BC CALC® Design Report



Dry | 1 span | No cantilevers | 0/12 slope (deg)

February-27-15

Build 3272

Job Name:

Address:

MODEL-ELMBROOK 10 A

City, Province, Postal Code: Customer:

Code reports:

GreenPark Home CCMC 12472-R

File Name: ELMBROOK 10 Description: Designs\B06A

Specifier:

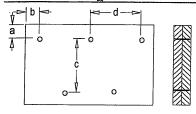
AWAIS HAMID Designer:

Company: TAMARACK LUMBER INC

Misc:

BURLINGTON ON,

Connection Diagram



a minimum = 2" c = 5-1/2" d = 8 8 W b minimum = 3"

Member has no side loads.

Connectors are: 16d States Nails (31/24/1000 Spinse)

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER® , AJS™ ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Bois Prod

Boise Cascade



DWG NO. TAN 2644-15 STRUCTURAL COMPONENT ONLY



Dry | 1 span | No cantilevers | 0/12 slope (deg)

May-16-14

Floor Beam\B07

BC CALC® Design Report - CA

Build 2627

Job Name:

Address:

City, Province, Postal Code:

MODEL-ELMBROOK 10A

Customer: Code reports:

CCMC 12472-R

GREENPARK HOME

File Name: ELMBROOK 10.bcc

Description: Designs\B07

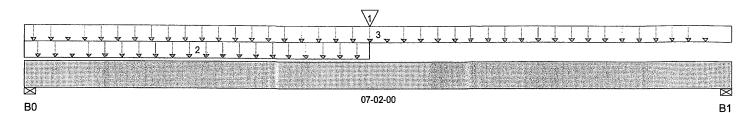
Specifier:

Designer: AWAIS HAMID

TAMARACK LUMBER INC Company:

Misc:

BURLINGTON ON,



Total Horizontal Product Length = 07-02-00

	CALL DESIGNATION OF THE PARTY O								
Reaction Summary (Down / Uplift) (Ibs)									
Bearing	Live	Dead	Snow	Wind					
B0, 3-1/2"	1,186 / 0	481 / 0							
B1, 3-1/2"	1,071 / 0	437 / 0							

Lo	ad Summary					Live	Dead	Snow	Wind	Trib.
Tag	Description	Load Type	Ref.	. Start	End	1.00	0.65	1.00	1.15	
1	FROM B6	Conc. Pt. (lbs)	L	03-06-00	03-06-00	40	20			n/a
2	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	03-06-00	40	15			01-06-00
3	FLOOR	Unf. Area (lb/ft^2)	L	00-00-00	07-02-00	40	15			07-00-00

_	Factored	Factored	Demand /	Load	Location
Controls Summary	Demand	Resistance	Resistance	Case	
Pos. Moment	3,631 ft-lbs	25,408 ft-lbs	0.14	1	03-05-15
End Shear	1,642 lbs	11,571 lbs	0.14	1	01-01-00
Total Load Defl.	L/999 (0.041")	n/a	n/a	4	03-06-11
Live Load Defl.	L/999 (0.029")	n/a	n/a	5	03-06-11
Max Defl.	0.041"	n/a	n/a	4	03-06-11
Span / Depth	8.5	n/a	n/a		00-00-00

Bearing Supports	Dim. (L x W)	Demand	Demand/ Resistance Support	Demand/ Resistance Member	Material
B0 Wall/Plate	3-1/2" x 3-1/2"	2,380 lbs	0.32	0.16	Spruce Pine Fir
B1 Wall/Plate	3-1/2" x 3-1/2"	2,153 lbs	0.29	0.14	Spruce Pine Fir

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISÉ engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.\n\nBC CALC®, BC FRAMER®, AJS™ ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets Code minimum (L/360) Live load deflection criteria.

Design meets User specified (1") Maximum total load deflection criteria.

Calculations assume Member is Fully Braced.

Resistance Factor phi has been applied to all presented results per CSA 086.

BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA O86. 08C2

Design based on Dry Service Condition.

Importance Factor: Normal Part code: Part 4 Deflections less than 1/8" were ignored in the results.

User Notes

DESIGNER B.C.I.N. 26064 NAIL 1 PLY 2 ANOTHER WITH 3 1/2" SPIRAL NAILS @ \2"O.C. STAGGERED IN TOWN ROWS. THREE

PROVICE NAILING DETAIL WIA SEE OWG #TAMN1001-14



DWG NO. TAM 516(2-14 STRUCTURAL COMPONENT ONLY



Maximum Floor Spans

Live Load = 40 psf, Dead Load = 15 psf Simple Spans, L/360 Deflection Limit 5/8" OSB G&N Sheathing







			Ba	are			1/2" Gyps	sum Ceiling	
Depth	Series		On Centi	re Spacing			On Cent	re Spacing	
		12"	16"	19.2"	24"	12"	16"	19.2"	24"
	NI-20	15'-1"	14'-2"	13'-9"	N/A	15'-7"	14'-8"	14'-2"	N/A
	NI-40x	16'-1"	15'-2"	14'-8"	N/A	16'-7"	15'-7"	15'-1"	N/A
9-1/2"	NI-60	16'-3"	15'-4"	14'-10"	N/A	16'-8"	15'-9"	15'-3"	N/A
	NI-70	17'-1"	16'-1"	15'-6"	N/A	17'-5"	16'-5"	15'-10"	N/A
	NI-80	17'-3"	16'-3"	15'-8"	N/A	17'-8"	16'-7"	16'-0"	N/A
	NI-20	16'-11"	16'-0"	15'-5"	N/A	17'-6"	16'-6"	16'-0"	N/A
	NI-40x	18'-1"	17'-0"	16'-5"	N/A	18'-9"	17'-6"	16'-11"	N/A
11-7/8"	NI-60	18'-4"	17'-3"	16'-7"	N/A	19'-0"	17'-8"	17'-1"	N/A
11-7/6	NI-70	19'-6"	18'-0"	17'-4"	N/A	20'-1"	18'-7"	17'-9"	N/A
	NI-80	19'-9"	18'-3"	17'-6"	N/A	20'-4"	18'-10"	17'-11"	N/A
	NI-90x	20'-4"	18'-9"	17'-11"	N/A	20'-10"	19'-3"	18'-5"	N/A
	NI-40x	20'-1"	18'-7"	17'-10"	N/A	20'-10"	19'-4"	18'-6"	N/A
	NI-60	20'-5"	18'-11"	18'-1"	N/A	21'-2"	19'-7"	18' - 9"	N/A
14"	NI-70	21' - 7"	20'-0"	19'-1"	N/A	22'-3"	20'-7"	19'-8"	N/A
	NI-80	21'-11"	20'-3"	19'-4"	N/A	22'-7"	20'-11"	20'-0"	N/A
	NI-90x	22'-7"	20'-11"	19'-11"	N/A	23'-3"	21'-6"	20'-6"	N/A
	NI-60	22'-3"	20'-8"	19'-9"	N/A	23'-1"	21'-5"	20'-6"	N/A
16"	NI-70	23'-6"	21'-9"	20'-9"	N/A	24'-3"	22'-5"	21' - 5"	N/A
10	N1-80	23'-11"	22'-1"	21'-1"	N/A	24'-8"	22'-10"	21 '- 9"	N/A
	NI-90x	24'-8"	22'-9"	21'-9"	N/A	25'-4"	23'-5"	22'-4"	N/A

		Mid-Span Blocking				Mid-Span Blocking and 1/2" Gypsum Ceiling			
Depth	Series		On Centr	e Spacing			On Centr	e Spacing	
		12"	16"	19.2"	24" -	12"	16"	19.2"	24"
	NI-20	16'-10"	15'-5"	14'-6"	N/A	17'-1"	15'-5"	14'-6"	N/A
	NI-40x	17'-11"	16'-11"	16'-4"	N/A	18'-5"	17'-4"	16'-7"	N/A
9-1/2"	NI-60	18'-2"	17'-1"	16'-6"	'N/A	18'-7"	17'-6"	16'-10"	N/A
	NI-70	19'-2"	17'-10"	17'-2"	N/A	19'-7"	18'-3"	17'-7"	N/A
	NI-80	19'-5"	18'-0"	17'-4"	N/A	19'-10"	18'-5"	17'-8"	N/A
	NI-20	19'-6"	18'-1"	17'-5"	N/A	20'-2"	18'-8"	17'-6"	N/A
11-7/8"	NI-40x	21'-0"	19'-6"	18'-8"	N/A	21'-7"	20'-2"	19'-3"	N/A
	NI-60	21'-4"	19'-9"	18'-11"	N/A	21'-11"	20'-4"	19'-6"	N/A
11-//6	NI-70	22'-6"	20'-10"	19'-11"	N/A	23'-0"	21'-5"	20'-5"	N/A
	NI-80	22'-9"	21'-1"	20'-1"	N/A	23'-3"	21'-7"	20'-8"	N/A
	N1-90x	23'-4"	21'-8"	20'-8"	N/A	23'-10"	22'-2"	21'-2"	N/A
	NI-40x	23'-7"	21'-11"	20'-11"	N/A	24'-3"	22'-7"	21'-7"	N/A
	NI-60	24'-0"	22'-3"	21'-3"	N/A	24'-8"	22'-11"	21'-11"	N/A
14"	NI-70	25'-3"	23'-4"	22' - 3"	N/A	25'-10"	24'-0"	22'-11"	N/A
	NI-80	25'-7"	23'-8"	22'-7"	N/A	26'-2"	24'-4"	23'-2"	N/A
	NI-90x	26'-4"	24'-4"	23'-3"	N/A	26'-10"	24'-11"	23'-9"	N/A
	NI-60	26'-5"	24'-6"	23'-4"	N!/A	27'-2"	?5'-3"	24'-2"	N/.^
16"	NI-70	27'-9"	25' - 8"	24'-6"	N/A	28'-5"	26'-5"	25'-2"	N/A
16"	NI-80	28'-2"	26'-1"	24'-10"	N/A	28'-10"	26'-9"	25'-6"	N/A
	NI-90x	29'-0"	26'-10"	25'-7"	N/A	29'-7"	27'-5"	26'-2"	N/A

^{1.} Maximum clear span applicable to simple-span residential floor construction with a design live load of 40 psf and dead load of 15 psf. The ultimate limit states are based on the factored loads of 1.50L + 1.25D. The serviceability limit states include the consideration for floor vibration, a live load deflection limit of L/360 and a total load deflection limit of L/240.

^{2.} Spans are based on a composite floor with glued-nailed oriented strand board (OSB) sheathing with a minimum thickness of 5/8 inch for a joist spacing of 19.2 inches or less. The composite floor may include 1/2 inch gypsum ceiling and/or one row of blocking at mid-span with strapping. Strapping shall be minimum 1x4 inch strap applied to underside of joists at blocking line or 1/2 inch gypsum ceiling attached to joists.

3. Minimum bearing length shall be 1-3/4 inches for the end bearings.

^{4.} Bearing stiffeners are not required when I-joists are used with the spans and spacings given in this table, except as required for hangers.

^{5.} This span chart is based on uniform loads. For applications with other than uniformly distributed loads, an engineering analysis may be required based on the use of the design properties. Tables are based on Limit States Design per CSA O86-09, NBC 2010, and OBC 2012.

^{6.} Joists shall be laterally supported at supports and continuously along the compression edge. Refer to technical documentation for installation guidelines and construction details. Nordic I-joists are listed in CCMC evaluation report 13032-R and APA Product Report PR-L274C.



Maximum Floor Spans

Live Load = 40 psf, Dead Load = 15 psf Simple Spans, L/360 Deflection Limit 3/4" OSB G&N Sheathing







		Bare				1/2" Gypsum Ceiling			
Depth	Series		On Cente	e Spacing			On Centi	e Spacing	
		12"	16"	19.2"	24"	12"	16"	19.2"	24"
-	NI-20	15'-10"	15'-0"	14'-5"	13'-5"	16'-4"	15'-5"	14'-6"	13'-5"
	NI-40x	17'-0"	16'-0"	15'-5"	14'-9"	17'-5"	16'-5"	15'-10"	15'-2"
9-1/2"	NI-60	17'-2"	16'-2"	15'-7"	14'-11"	17'-6"	16'-7"	15'-11"	15'-3"
	NI-70	18'-0"	16'-11"	16'-3"	15'-7"	18'-5"	17'-3"	16'-7"	15'-11"
	NI-80	18'-3"	17'-1"	16'-5"	15'-9"	18'-8"	17'-5"	16'-9"	16'-1"
	NI-20	17'-10"	16'-10"	16'-2"	15'-6"	18'-6"	17'-4"	16'-9"	16'-1"
11-7/8"	NI-40x	19'-4"	17'-11"	17'-3"	16'-6"	19'-11"	18'-6"	17'-9"	17'-0''
	NI-60	19'-7"	18'-2"	17'-5"	16'-9"	20'-2"	18'-9"	17'-11"	17'-2"
	NI-70	20'-9"	19'-2"	18'-3"	17'-5"	21'-4"	19'-9"	18'-10"	17'-10"
	NI-80	21'-1"	19'-5"	18'-6"	17'-7"	21'-7"	20'-0"	19'-0"	18'-0"
	NI-90x	21'-8"	20'-0"	19'-1"	18'-0"	22'-2"	20'-6"	19'-6"	18'-6"
	NI-40x	21'-5"	19'-10"	18'-11"	17'-11"	22'-1"	20'-6"	19'-7"	18'-7"
	NI-60	21'-10"	20'-2"	19'-3"	18'-2"	22'-5"	20'-10"	19'-11"	18'-10"
14"	NI-70	23'-0"	21'-3"	20'-3"	19'-2"	23'-8"	21'-11"	20'-10"	19'-9"
	NI-80	23'-5"	21'-7"	20'-7"	19'-5"	24'-0"	22' - 3"	21'-2"	20'-0"
	NI-90x	24'-1"	22'-3"	21'-2"	20'-0"	24'-8"	22'-10"	21'-9"	20'-7"
	N1-60	23'-9"	22'-0"	20'-11"	19'-10"	24'-6"	22'-9"	21'-8"	20'-6"
101	NI-70	25'-1"	23'-2"	22'-0"	20'-10"	25'-9"	23'-10"	22'-9"	21'-6"
16"	N1-80	25'-6"	23'-6"	22'-4"	21'-2"	26'-1"	24'-2"	23'-1"	21'-10"
	NI-90x	26'-4"	24'-3"	23'-1"	21'-10"	26'-11"	24'-11"	23'-8"	22'-5"

		Mid-Span Blocking				Mid-Span Blocking and 1/2" Gypsum Ceiling				
Depth	Series		On Centr	e Spacing			On Centr	e Spacing		
,		12"	16"	19.2"	24"	12"	16"	19.2"	24"	
	NI-20	17'-1"	15'-5"	14'-6"	13'-5"	17'-1"	15'-5"	14'-6"	13'-5"	
	NI-40x	18'-8"	17'-6"	16'-7"	15'-3"	19'-2"	17'-8"	16'-7"	15'-3"	
9-1/2"	NI-60	18'-11"	17'-8"	16'-10"	15'-7"	19'-4"	18'-0"	16'-10"	15'-7"	
	NI-70	20'-0"	18'-7"	17'-9"	17'-0"	20'-5"	19'-0"	18'-2"	17'-0"	
	NI-80	20'-3"	18'-10"	17'-11"	17'-2"	20'-8"	19'-3"	18'-4"	17'-5"	
	NI-20	20'-2"	18'-8"	17'-6"	16'-2"	20'-7"	18'-8"	17'-6"	16'-2"	
11-7/8"	NI-40x	21'-10"	20'-4"	19' - 5"	17'-8"	22'-5"	20'-11"	19'-9"	17'-8"	
	NI-60	22'-1"	20'-7"	19'-7"	18'-7"	22'-8"	21'-2"	20'-3"	18'-8"	
	NI-70	23'-4"	21'-8"	20'-8"	19'-7"	23'-10"	22'-3"	21'-3"	20'-1"	
	NI-80	23'-7"	21'-11"	20'-11"	19'-9"	24'-1"	22'-6"	21'-5"	20'-4"	
	NI-90x	24'-3"	22'-6"	21'-6"	20'-4"	24'-8"	23'-0"	22'-0"	20'-9"	
	NI-40x	24'-5"	22'-9"	21'-8"	19'-5"	25'-1"	23'-6"	21'-9"	19'-5"	
	NI-60	24'-10"	23'-1"	22'-0"	20'-10"	25'-6"	23'-10"	22' - 9"	21'-4"	
14"	NI-70	26'-1"	24'-3"	23' - 2"	21'-10"	26'-8"	24' - 11"	23'-9"	22'-6"	
	NI-80	26'-6"	24'-7"	23'-5"	22'-2"	27'-1"	25'-3"	24'-1"	22'-9"	
	NI-90x	27'-3"	25'-4"	24'-1"	22'-9"	27'-9"	25'-11"	24'-8"	23'-4"	
	NI-60	27'-3"	25'-5"	24'. 2"	22'-10"	28'-0"	26'-2"	25'-0"	23'-8"	
4.011	NI-70	28' - 8"	26'-8"	25'-4"	23'-11"	29'-3"	27'-4"	26'-1"	24'-8"	
16"	NI-80	29'-1"	27'-0"	25'-9"	24'-4"	29'-8"	27'-9"	26'-5"	25'-0"	
	NI-90x	29'-11"	27'-10"	26'-6"	25'-0"	30'-6"	28'-5"	27'-2"	25' - 8"	

^{1.} Maximum clear span applicable to simple-span residential floor construction with a design live load of 40 psf and dead load of 15 psf. The ultimate limit states are based on the factored loads of 1.50L + 1.25D. The serviceability limit states include the consideration for floor vibration, a live load deflection limit of L/360 and a total load deflection limit of L/240.

^{2.} Spans are based on a composite floor with glued-nailed oriented strand board (OSB) sheathing with a minimum thickness of 3/4 inch for a joist spacing of 24 inches or less. The composite floor may include 1/2 inch gypsum ceiling and/or one row of blocking at mid-span with strapping. Strapping shall be minimum 1x4 inch strap applied to underside of joists at blocking line or 1/2 inch gypsum ceiling attached to joists.

3. Minimum bearing length shall be 1-3/4 inches for the end bearings.

^{4.} Bearing stiffeners are not required when I-joists are used with the spans and spacings given in this table, except as required for hangers.

^{5.} This span chart is based on uniform loads. For applications with other than uniformly distributed loads an engineering analysis may be required based on the use of the design properties. Tables are based on Limit States Design per CSA O86-09, NBC 2010, and OBC 2012.

^{6.} Joists shall be laterally supported at supports and continuously along the compression edge. Refer to technical documentation for installation guidelines and construction details. Nordic I-joists are listed in CCMC evaluation report 13032-R and APAProduct Report PR-L274C.







Temporary becoing or shots must be 144 into minimum, or least 8 feet being and speed on some than 8 feet on contra, and must be secured with the original production of the 2-1/2 inches mail featment to the top andros of soch typic the contract of the send of each top, Lop and of the 144 inches in the send of each top, Lop and originary because of the send of each top, Lop and originary braining over of bear two Heists.

O. A shoulding beingscone or personnent can be have a fining at the first A feet of Holland and the fact of Holland and have a fining at the case of the holland and the fining at the first first

propose entropa or installation, failam to fallow oppissable building codes, failure to laiber spon crisiqs for order Lybrin, salam to use allowable hobe issue use facebours, orderbly: In result in serious occidents. Follow these installation quidelines consulty:



MAXIMUM SPANS

I-JOIST HANGERS

Mangers shown illustrate the three most commonly used metal hongers to support I-joists.

All nailing must most the hanger manufacturer's recommendations.
 Hangers should be soleded based on the joir depth, flampe width and lead appairly based on the maximum spans.



I those and real ach highing is is intelled, units brown, blocking process, in locatio and/or create highing original units browning all provide lateral unport for the lateral process of the highin. Until this shoulding is applied, the control of the lateral process of the highin. Until this shoulding is applied, the control of the lateral process of the highin.



STORAGE AND HANDLING GUIDELINES

Store I-joints vertically, level, and in bundles. Always stack and handle Holas in the upright position only. Jandis wrap can be slippery when wet. Avoid welking on wrapped sundles.

Do not some tricke in direct control with the greund. Protoct Hoists from weather, and use stickers to exposets bundles. Bundled units should be kept levels until time of translation.

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La yiguopession

9. NEVER USE OR FIELD REPAIR A DAMAGED I-JOST.

Orient the bundles so that the webs of the Fjoists are vertical.

Pick Hoists in bundles as shipped by the supplier.

INSTALLING NORDIC I-JOISTS

wholl Hoists so that top and bottom flanges are within 1/2 inch of tree vertical alignment.

tion loying out fleor system components, verify that Fjoist flangs widths match hanger widths. If not, contest your spiles

HOURE 1
TITECAL KOIDIC MOST FLOOR FLAMING AND CONSTRUCTION DETAILS

Some framing requirements such as eraction bracing and blocking parest have been emitted for darity.

nimum borning lengths: 1-3/4 inches for and boarings and 3-1/2 inches for intermediate boarings. with must be enchaned securely to supports before floor shoothing is ettached, and suppolene. zept for arning to longth, I-foirt flanges should naver be est, drilled, or natched.

(B)

Holes may be cut in web for plumbing, wining and dud work. See Tables 1, 2 and Figure 7.

Figures 3, 4 or 5

3

3

are a 1/16-inch gap between the Lipiet and and a header.

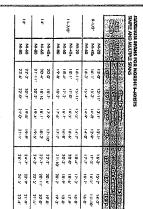
or install k-joists where they will be pern arete or messerry.



7. Increased spars may be actioned with the use of grysum and/or a new of blocking at mid-span.

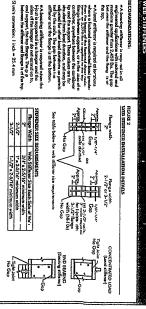
8. Stunite commercian: 1 inche = 25.4 nam
1 foot = 0.305 m Tables are based on Limit States Design per CAN/CSA OBS-01 Standard and supplement OBS\$1-05, and NBC 1995 vibration artistic as criffod by CCMC.

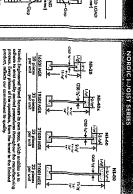
This span chon is bosed on uniform loads. For applications with other than uniform loads, on engineering analysis may be required based on the use of the design properties. Minimum boaring langth shall be 1-3/4 inches for the and bearings, and 3-1/2 inches for the intermediate bearings. Bearing different are not required when Fields are used with the speas and speciage given in this table, except as required for hangon.



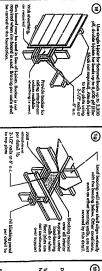


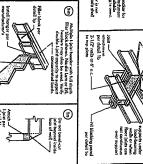




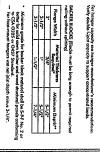


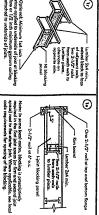
ordic uses only black spruce MSR lumber in their flanges, ensuring smistent quality, superior strength, and langer span conying capacity.

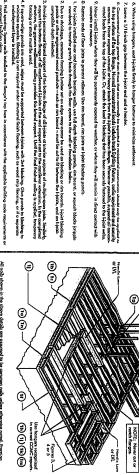










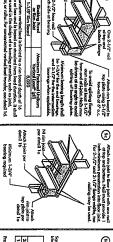


(E)

Nordic Lam or LYL

€

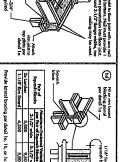
2s plate. 1/8* overhong allowed past inside foce of wall or beam.

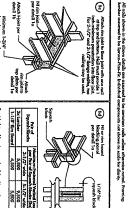


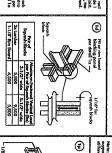
(3)

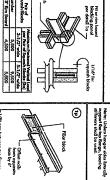
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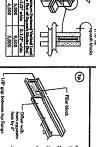
ved spacing: Space neats installed to the flange's top foce in a sporeved building plans.

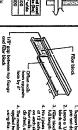












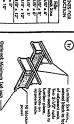


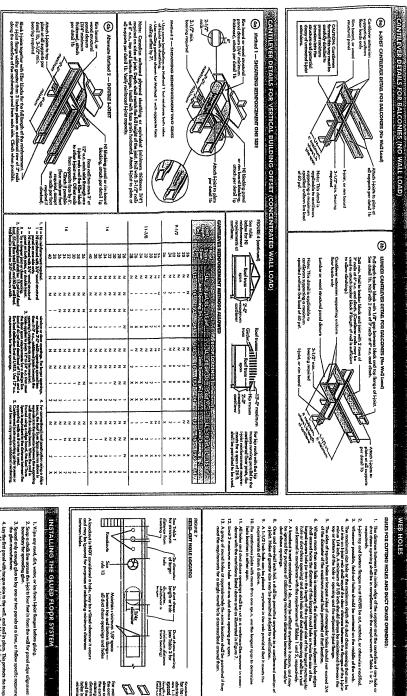


Note: Unless hanger sides taterally support the top flange, bearing stiffeness shall be used.

Backer block estached per ...I detail 1h. Nail with twelve 3' nuils, dinth when possible. Maximum factored load = 1,620 fbs.









BRICK/CANTILEVER DETAILS FOR VERTICAL BUILDING OFFSET (CONCENTRATED WALL LOAD)

sheathing rainforcament

See stable
Read trus

Gridat Roof Invasion Teach Tea

9-1/2

Provide full depth blocking between joins error support (not shown)

Spread only enough give to by one or two panels at a time, or follow specific recommendations from the give manufacture. . Nips any mod, dirt, water, or iso from Heist flampes before gluing.

2. Scopp a chell. Her across for Heist in from the wall for panel edge alignment and as a boundary for proceding gibo.

·<u>O</u>-

3

3/44

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11.7/8

Holes in webs should be out with a sharp saw. Nover dial, cut or north the flongs, or orne-cut the web.

10.0 11.6 12.0 11.6 13.6 17-0

8.0

Maintain ininimum 1/8* space between top and bottom liange — all dud chase openings and holes

For extangular hales, and convenient the sames, as this can cause unaccurate them convenient them convenient to the same convenient convenient

The some that is benefit in the particular by the left of the particular control of the particul

of larger hale

2s dvel chase length or hole dismerter, whichever is brouger

Dust dissa opening (soo Toblo 2 for minimum distance from bearing)

When adulating this fractions by the optional method, the minimum disposes between the center of the loak and the laude boss of the exponential has the lease of two distinuous or 12 butter plan 1/2 distinuity counted up to the masses 1/2 box above the expo.

Card Man.

Journal of Mod.,

J

ABLE 1 POLE SIZES AND LOCATIONS — Simple or Elumpie Span

- 4. Let the first ground with trappes seeins to be self, and self in place. This present the trappe of the near penal firms demanged when trapped into place and to block and detaphormous. A pupply a consistence for at I glass (block of 1/4/mich discussed) that they filtering of a ringle inject, Apply glass in a verificing patterns or what arrows, under mat the double blocks. A pupply was firmed or glass on injects whome penal ends best to assum proper giving of each end.
- 7. Abort for fair year of proceeds 3 in Species, prepaid give in the genera of one or two proceds at a time.
 7. Abort for fair year of proceeds 3 in Species, prepaid give in the general of one of processes of the processes of the processes of the species of the

		tie above table.	Feateners of showhing and subflooring shell conform to the above table.	subflooring sh	a thoughing one	. Fastanors c
12 india	ó indica	2-rch	1-3/4-inch	2 inch	3/4	24
12 inches	6 indhes	2-reh	1.3/4.inds	2 14	5/8	20
12 indies	6 induct	2 inch	1-3/4-indi	2-inch	8/5	16
	800					
			PONTERON	IG AND SUDE	PASTENEES FOR SHEATHING AND SUDFLANDENO	ASTRINEES P

- Special conditions may impose heavy traffic and concentrated leads that require construction in excess of the minimums shown.

NRC-CNRC, National Building Code of Canada 2005, Table 9.23.3.5

Voites:

Verify girdor joint capacity if the back span
commods the joint spacing.

Attach double House per detail 1p, if required.

SE SET-JACK CONNECTION

Nail joid and using 3*
nails, how-nail at top and
bottom flanges.

- Altoch joint to girder joint per denal Sc.

(Sb) SET-ЛАСК ВЕТАЦ

Boaring weds

11-7/8

2222222222222222

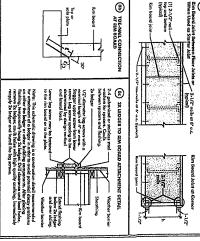
wwOgraMr NOTE:

HOOD shoulthing must be field glued to the I-joid flanges in order to octilere the maximum spaul shown in this document. If shoothing is enable only, I-joid spans must be verified with your local distributor.

RIM BOARD INSTALLATION DETAILS (69) ATTACHMENT DETAILS WHERE RIM BOARDS ABUT Lim Board Joint Botween Floor Joints of 2.1/2' noith et 6' o.c. When Used as Starfer Joint (typical) tim Board Joint of Comor









MICRO CITY

Engineering services inc.

TEL: (519) 287 - 2242

R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, NOL 1MO

	TV HEAD	ER AND CON	VENTIONAL
	LUMB	DETAILS	
	DETAIL NUMBER	NUMBER OF ROWS	SPACING (INCHES o/c)
	. A	2,	12
	В	2	8
	Ç	2	6
	D	2	4
	1A	3	12
	18	3	8
	1C	3	. 6
	1D	3:	4 .
	· 2A	4	12
	2B	4	8
	. 2C	4	6
	2D	4	4
	3A	5	12
	3B	5	8
L	3C	5	6
L	3D	5.	4
	4A	6	12
Ŀ	48	6	8
L	4C	- 6	6
L	4D	6	4

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NOTES:

- (1) MINIMUM LUMBER EDGE DISTANCE "a" = 1"
- (2) MINIMUM LUMBER END DISTANCE "b" = 2"
- (3) MINIMUM NAIL ROW SPACING "c" = 2"
- (4) STAGGER NAILS "d/2" BETWEEN PLIES FOR MULTI-PLY MEMBERS (3 PLY OR MORE)
- (5) ALL NAILS ARE 3-1/2" ARDOX SPIRAL NAILS
- (6) DO NOT USE AIR-DRIVEN NAILS



DVA NO TAMPICO 1. 14

STRUCTURAL

GORPONENT ONLY

TO BE USED ONLY

WITH BEAM CALOS

POEMBING THE

STAMP BEZOWS

PROVICE NATLING
DETAIL W > SEE
ONG #TANNIOO1-14