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OF PERMIT PLANS
Oct 31 2023

MIIP 23031 Engineering Note: EWP-Floors



PER: *C. Martin*
CHIEF BUILDING OFFICIAL

PLEASE READ ALL NOTES PRIOR TO INSTALLATION OF THE COMPONENT

RESPONSIBILITIES

THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS ONLY LIMITED TO THE CALCULATION OF THIS BUILDING COMPONENT FOR THE LOADS AND CONDITIONS SHOWN ON THIS DRAWING.

THE RESPONSIBILITY OF THE UNDERSIGNED IS LIMITED TO THE VERIFICATION OF THE STRUCTURAL CAPACITY OF THE FLOOR JOISTS AND LVL BEAMS BASED ON PLACEMENT AS SHOWN ON THE LAYOUT. THE LOADS APPLIED ARE LIMITED TO THE GRAVITY EFFECTS OF THE SPECIFIED LOADS. THE STRUCTURAL INTEGRITY OF THE BUILDING AND THE EFFECT OF WIND, UPLIFT, SEISMIC, LATERAL OR OTHER FORCES, CALCULATION OF ADEQUATE SUPPORT AND ANCHORAGE OF COMPONENTS, AS WELL AS THE DIMENSIONS AND DESIGN LOADS USED TO CALCULATE COMPONENTS ARE THE RESPONSIBILITY OF THE OVERALL BUILDING DESIGNER. FLOOR JOISTS AND OSB RIM BOARD ARE DESIGNED TO CARRY UNIFORMLY DISTRIBUTED LOADS ONLY. POINT LOADS SHOULD BE TRANSFERRED THROUGH THE FLOOR CAVITY WITH TRANSFER BLOCKS. STRUCTURAL ELEMENTS SUCH AS WALLS, POSTS, CONNECTORS, AND TRANSFER BLOCKS ARE THE RESPONSIBILITY OF THE OVERALL BUILDING DESIGNER.

THE UNDERSIGNED ENGINEER DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF BEING FURNISHED FAULTY OR INCORRECT INFORMATION, SPECIFICATIONS AND/OR DESIGNS.

COMPONENT DESIGN INFORMATION

1. THIS BUILDING COMPONENT IS CERTIFIED AS AN INDIVIDUAL COMPONENT FOR THE LOADS AND CONDITIONS SHOWN ON THE CALCULATION PAGE BASED ON INFORMATION PROVIDED BY KOTT DESIGN.
2. THE BUILDING COMPONENT USED IN CONSTRUCTION MUST BE THE SAME AS INDICATED ON THE DRAWINGS.
3. UNLESS NOTED OTHERWISE ON THE LAYOUT OR BEAM CALCULATION SHEET, MEMBERS CONSISTING OF MULTIPLE PLIES MUST BE CONNECTED AS PER THE DOCUMENT "MULTIPLE MEMBER CONNECTION DETAILS" SHOWN ON PAGE 2 OF THIS DOCUMENT.
4. PASS-THRU TRANSFER BLOCK FRAMING IS REQUIRED AT ALL POINT LOADS OVER BEARINGS.
5. IT IS ASSUMED THAT EACH LVL BEAM WHERE NOT SEATED IN A HANGER IS ATTACHED USING (4) FOUR 3-1/4" COMMON SPIRAL NAILS FOR UP TO 5.5" LONG BEARINGS AND USING (6) SIX 3-1/4" COMMON SPIRAL NAILS FOR BEARINGS EQUAL TO OR LONGER THAN 5.5", UNLESS INDICATED OTHERWISE.

CODE

THIS BUILDING COMPONENT IS DESIGNED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, THE ONTARIO BUILDING CODE, CCMC AND CANADIAN STANDARDS ASSOCIATION GUIDELINES.

HANDLING AND INSTALLATION

1. DO NOT DRILL ANY HOLE, CUT OR NOTCH A CERTIFIED BUILDING COMPONENT WITHOUT A WRITTEN PRE-AUTHORIZATION.
2. INSTALLATION AND ASSEMBLY OF FLOOR JOISTS AND LVL BEAMS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUFACTURER'S LITERATURE.

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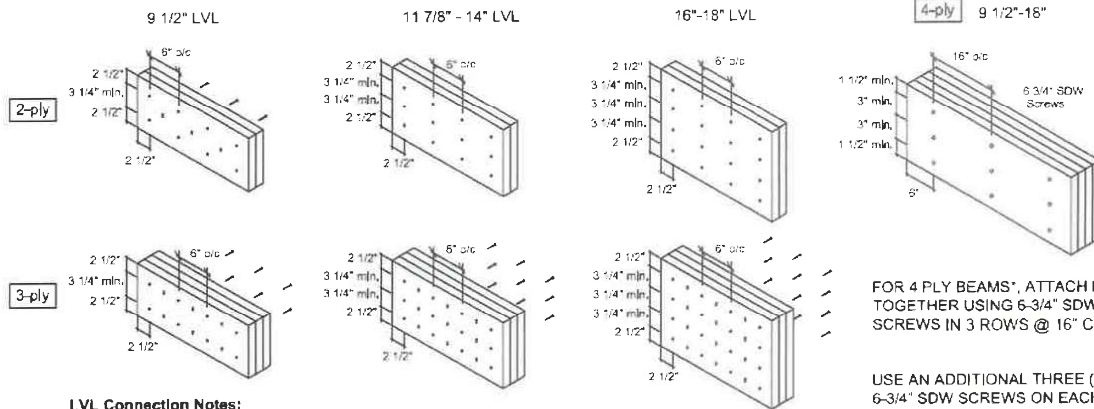
ENG-IM0723-045-KTF-GREENPARK-ZADORRA ESTATES-ROSE 10-2

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MULTIPLE MEMBER CONNECTIONS FOR BEAMS SHOWN ON KOTT LAYOUTS



MULTIPLE MEMBER CONNECTIONS FOR UNIFORMLY DISTRIBUTED TOP & SIDE LOADED LVL BEAMS SHOWN ON KOTT LAYOUTS



LVL Connection Notes:

- LVL ply width is 1-3/4"
- Nails to be 3 1/2" common wire nails.
- Nails to be located 2 1/2" min. from the top and bottom of the member. Start all nails 2 1/2" min. from ends.
- Minimum 3 1/4" spacing between rows.
- Number of rows and spacing as per details shown, unless noted otherwise.
- "X" represents nail driven from the opposite side.
- Head of all specified screws must be on the loaded side.

FOR 4 PLY BEAMS*, ATTACH PLYS TOGETHER USING 6-3/4" SDW SCREWS IN 3 ROWS @ 16" C/C.

USE AN ADDITIONAL THREE (3) 6-3/4" SDW SCREWS ON EACH SIDE (OF EACH FACE) AT POINT LOAD LOCATIONS @ 1/2 SPACING, WHERE APPLICABLE.

*UNLESS NOTED OTHERWISE ON LAYOUT OR CALCULATION SHEET OF BEAM IN THE FLOOR PACKAGE

FOR MULTIPLE MEMBER CONNECTION OF BOISE ALLJOISTS REFER TO THE BOISE CASCADE INSTALLATION GUIDE

Installation Guide



(Open your phone's camera and hover over this QR code to access it)

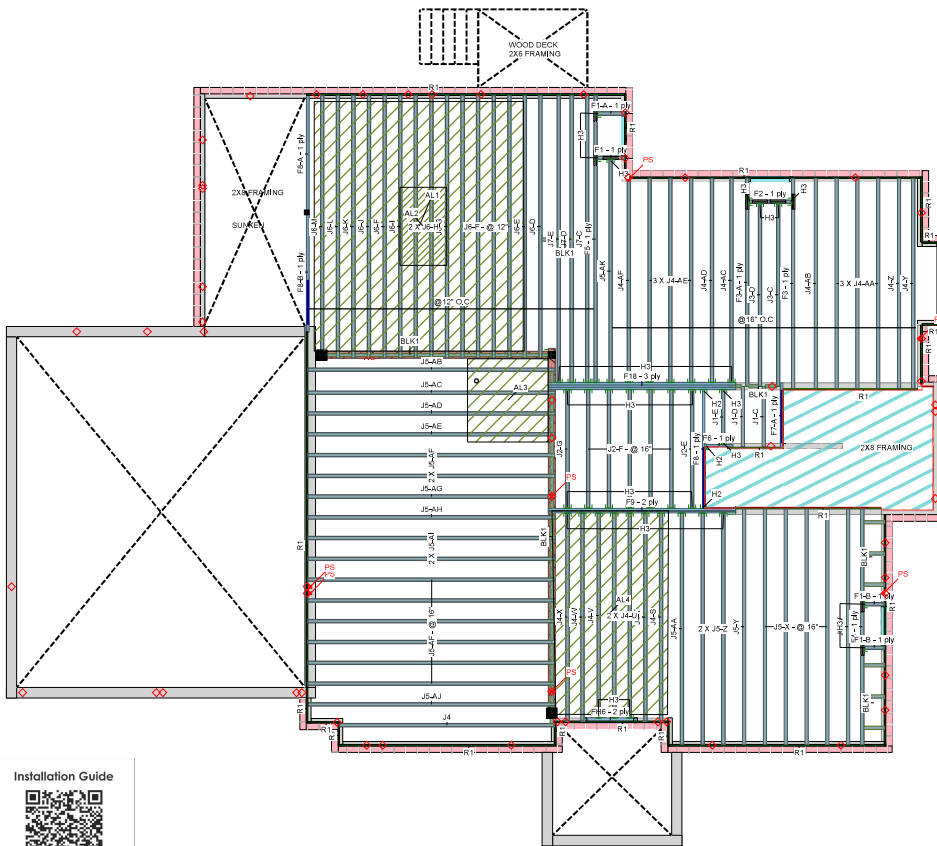
Last Revised January 13, 2023

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Ground Floor



Installation Guide



(Open your phone's camera and
hover over this QR code to access it)

Hatched Area represents where
additional load has been applied.
(e.g. 5 psf for ceramic tile)

Ground Floor										JOB INFORMATION	
LVL/LSL (Flush)										Builder	
Label	Description	Width	Depth	Qty	Pies	Pcs	Length			GREENPARK	
F18	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875	1	3	3	14-0			Project	
F9	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875	1	2	2	14-0			Shipping	
F8	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			3	8-0			ZADORRA ESTATES OSHAWA, ON	
F7	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	6-0			Sales Rep	
F6	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			2	4-0			Ralph Mirigello	
F5	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Designer	
F4	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Plotted	
F3	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			July 07, 2023	
F2	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Layout Name	
F1	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			ROSE 10-2 STD & DC	
F0	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Job Path	
F-1	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			8 \ CUSTOMER \ GREENPARK \ ZADORRA ESTATES	
F-2	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			MODEL \ ROSE 10 \ ROSE 10-2 \ ROSE 10-2 \ ROSE	
F-3	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			10-2 STD & DC.dwg	
F-4	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			DESIGN CRITERIA	
F-5	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Ground Floor	
F-6	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Design Method	
F-7	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			LSD (Canada)	
F-8	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			NBCC 2015	
F-9	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			OBC 2012 (2020 Update)	
F-10	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Floor	
F-11	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Live	
F-12	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Dead	
F-13	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Deflection Joist	
F-14	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			LL Span /	
F-15	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			TL Span /	
F-16	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Deflection Flush Girder	
F-17	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			LL Span /	
F-18	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			TL Span /	
F-19	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Deflection Dropped Girder	
F-20	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			LL Span /	
F-21	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			TL Span /	
F-22	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Deflection Header	
F-23	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			LL Span /	
F-24	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			TL Span /	
F-25	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Decking	
F-26	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Decking	
F-27	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Thickness	
F-28	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			3/4"	
F-29	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Fastener	
F-30	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Nailed & Glued	
F-31	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			CCMC References	
F-32	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Boise - 12472-R, 12787-R	
F-33	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			LP - 12412-R, Roseburg - 13310-R	
F-34	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Forex - 14035-R	
F-35	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Kott Inc.	
F-36	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			3228 Moode Dr, Ottawa	
F-37	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			14 Anderson Blvd, Unbridge	
F-38	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Ontario	
F-39	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			613-838-2775 /	
F-40	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			905-642-4400	
F-41	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Legend	
F-42	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			WS	
F-43	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Web Stiffener	
F-44	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			WS	
F-45	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			In Hanger Label Denotes Web Stiffener	
F-46	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			PS	
F-47	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Point Load Support	
F-48	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Load from Above	
F-49	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Wall	
F-50	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Wall Opening	
F-51	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Norbord Rimboard Plus 1.125 X 11.875	
F-52	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			AJS 140 11.875	
F-53	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0			Versa-Lam LVL 2.1E 3100 SP 1.75 X	

- All blocking to be cut from 12' joists
- 2' & 4' Lengths to be cut from 8' Length, 6' lengths to be cut from 12' Length
- Ends of joists to be laterally supported
- Packing of Steel beams and attachment by others
- Shower and water closet flange locations are approximate only, consult architectural drawing for exact locations
- Beams identified as "B" are dropped and supplied by others
- Install 2x4 blocking @ 24" o/c under parallel non-loadbearing walls
- Load transfer blocks to be installed under all point loads
- Refer to Multiple Member Connection Detail for ply to ply nailing or bolting requirements
- Hangers and Fasteners to be installed as per manufacturer
- Framing shown on this layout may deviate from architectural drawings, Arch / Eng to review and approve the deviation prior to construction.
- Multi ply beams with side loading to have all fasteners installed with the head on the side of the applied load.
- Confirmation of adequate support & anchorage of components is the responsibility of the building designer, suggested uplift connectors are as shown.
- Where beam hangs on side of 3-ply member, it is recommended that the equivalent quantity and size of nails required for the hanger attachment also be installed on opposite side of the 3-ply member



3228 Moode Dr, Ottawa
14 Anderson Blvd, Unbridge
Ontario
613-838-2775 /
905-642-4400

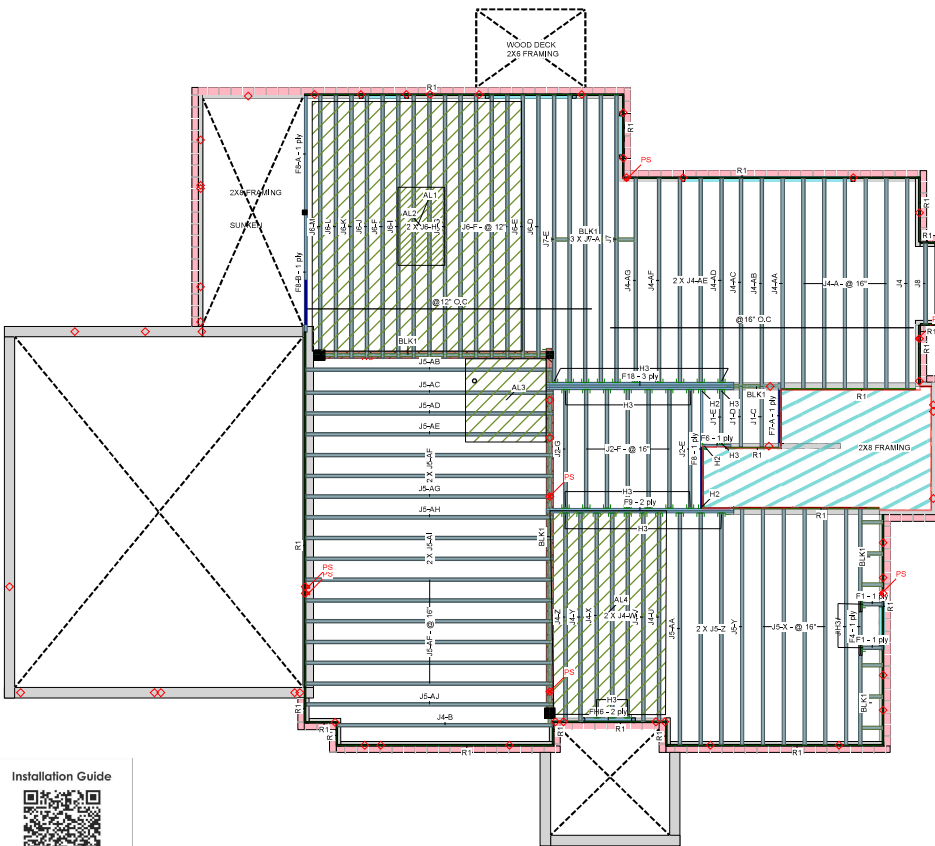
Legend
WS Web Stiffener
WS In Hanger Label Denotes Web Stiffener
PS Point Load Support
Load from Above
Wall
Wall Opening
Norboard Rimboard Plus 1.125 X 11.875
AJS 140 11.875
Versa-Lam LVL 2.1E 3100 SP 1.75 X

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Ground Floor



Installation Guide



(Open your phone's camera and
hover over this QR code to access it)

Hatched Area represents where
additional load has been applied.
(e.g. 5 psf for ceramic tile)

Ground Floor LVL/LSL (Flush)								JOB INFORMATION			
Label	Description	Width	Depth	Qty	Pies	Pcs	Length	Builder GREENPARK			
F18	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875	1	3	3	14-0	Project			
F9	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875	1	2	2	14-0	Shipping ZADORRA ESTATES OSHAWA, ON			
F8	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			3	8-0	Sales Rep RALPH MIRIGELLO			
F7	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	6-0	Designer W.C.			
FH8	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875	1	2	2	4-0	Plotted July 07, 2023			
F6	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	2-0	Layout Name ROSE 10-2 WOB			
Joist (Flush)								Job Path S:\CUSTOMERS\GREENPARK\ZADORRA ESTATE MODEL\ROSE 10\ROSE 10-2W-ROSE 10-2WOB ROSE 10-2 WOB.Wd			
Label	Description	Width	Depth	Pcs	Length	DESIGN CRITERIA					
F4	AJS 140	2.5	11.875	1	16-0	Ground Floor					
F1	AJS 140	2.5	11.875	2	2-0	Design Method LSD (Canada)					
J7	AJS 140	2.5	11.875	5	20-0	Building Code NBCC 2015 CBC 2020 (2020 Update)					
J6	AJS 140	2.5	11.875	15	18-0	Floor					
J5	AJS 140	2.5	11.875	26	16-0	Loads					
J4	AJS 140	2.5	11.875	22	14-0	Deflection Joist					
J2	AJS 140	2.5	11.875	7	8-0	Deflection Flush Girder					
J8	AJS 140	2.5	11.875	1	6-0	Deflection Dropped Girder					
J1	AJS 140	2.5	11.875	3	4-0	Deflection Header					
Rim Board						CCMC References					
Label	Description	Width	Depth	Pcs	Length	Boise - 12472-R, 12787-R LP - 12412-R, Roseburg - 13310-R Forex - 14056-R					
R1	Norbord Rimboard Plus 1.125 X 11.875	1.125	11.875	14	12-0	Kott Inc.					
Blocking						3228 Moode Dr, Ottawa 14 Anderson Blvd, Unbridge Ontario 613-838-2775 / 905-642-4400					
Label	Description	Width	Depth	Qty	Pcs	Length	KOTT				
BLK1	AJS 140	2.5	11.875	1	16-0	46-0	Legend				
Hanger						-ws Web Stiffener -ps In Hanger Label Denotes Web Stiffener PS Point Load Support Load from Above W Wall W/O Wall Opening Norbord Rimboard Plus 1.125 X 11.875 AJS 140 11.875 Versa-Lam LVL 2.1E 3100 SP 1.75 X					
Label	Pcs	Description	fasteners	fasteners	Beam/Girder		Supported Member				
H2	3	HUS1.81/10	30 16d	10 16d							
H3	41	LF2511	12 10d x 1/2	1 #6 x 1 1/4 WS							
All Blocking to be cut from 12" joints											
2' & 4' Lengths to be cut from 6' Lengths, 6' lengths to be cut from 12' Length											
Ends of joists to be laterally supported											
Packing of Steel beams and attachment by others											
Shower and water down flash locations are approximate only, consult architectural drawing for exact locations											
Beams identified as "B" are dropped and supplied by others											
Install 2x4 blocking @ 24" o/c under parallel non-loadbearing walls											
Load transfer blocks to be installed under all point loads											
Refer to Multiple Member Connection Detail for ply to ply nailing or bolting requirements											
Hangers and Fasteners to be installed as per manufacturer											
Framing shown on this layout may deviate from architectural drawings, Arch / Eng to review and approve the deviation prior to construction.											
Multi ply beams with loads leading to have all fasteners installed with the head on the side of the applied load											
Confirmation of adequate support & anchorage of components is the responsibility of the building designer; suggested gully connectors are as shown											
Where beam hangers on side of 3-ply member, it is recommended that the equivalent quantity and size of nails required for the hanger attachment also be installed on opposite side of the 3-ply member											

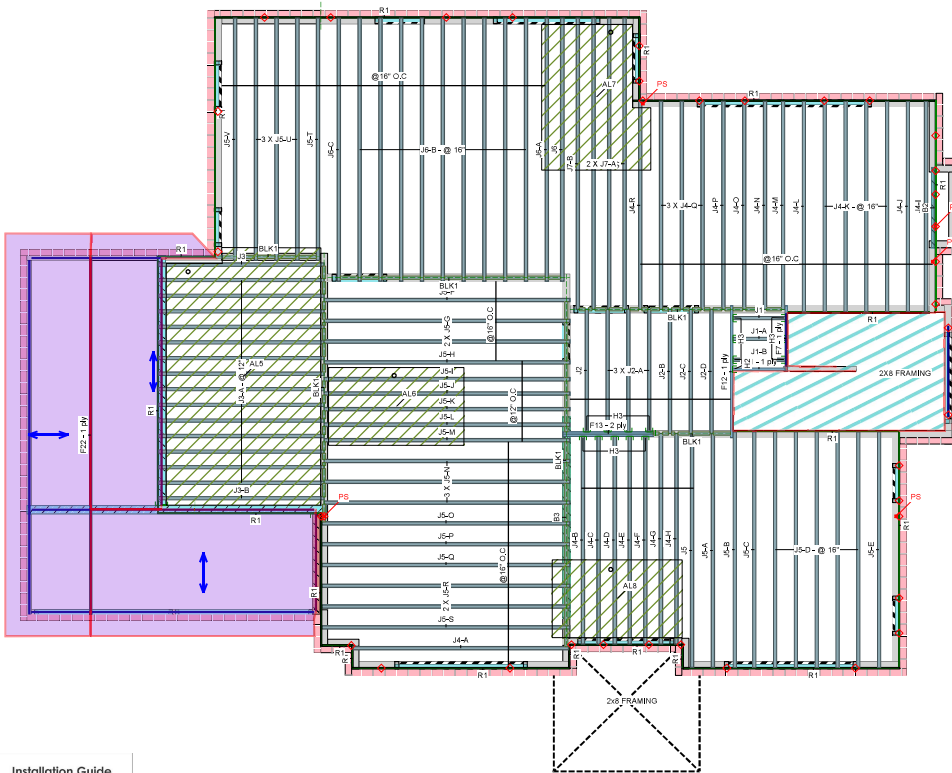
- All blocking to be cut from 12' joists
- 2' & 4' Lengths to be cut from 8' Length, 6' lengths to be cut from 12' Length
- Ends of joists to be laterally supported
- Packing of Steel beams and attachment by others
- Shower and water closet flange locations are approximate only, consult architectural drawing for exact locations
- Beams identified as "B" are dropped and supplied by others
- Install 2x4 blocking @ 24" o/c under parallel non-loadbearing walls
- Load transfer blocks to be installed under all point loads
- Refer to Multiple Member Connection Detail for ply to ply nailing or bolting requirements
- Hangers and Fasteners to be installed as per manufacturer
- Framing shown on this layout may deviate from architectural drawings, Arch / Eng to review and approve the deviation prior to construction.
- Multi ply beams with side loading to have all fasteners installed with the head on the side of the applied load
- Confirmation of adequate support & anchorage of components is the responsibility of the building designer, suggested uplift connectors are as shown
- Where beam hangs on side of 3-ply member, it is recommended that the equivalent quantity and size of nails required for the hanger attachment also be installed on opposite side of the 3-ply member

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Second Floor



Second Floor								JOB INFORMATION		
LVL/LSL (Flush)								Builder		
Label	Description	Width	Depth	Qty	Pies	Pcs	Length	GREENPARK		
F12	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	10-0-0	Project		
F13	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875	1	2	2	6-0-0	Shipping		
F7	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	6-0-0	ZADORRA ESTATES OSHAWA, ON		
F11	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	4-0-0	Sales Rep		
								RALPH MIRIGELLO		
Joist (Flush)								Designer		
Label	Description	Width	Depth	Pcs	Length	W C				
J7	AJS 140	2.5	11.875	4	20-0-0	Plotted				
J6	AJS 140	2.5	11.875	12	18-0-0	July 07, 2023				
J5	AJS 140	2.5	11.875	33	16-0-0	Layout Name				
J4	AJS 140	2.5	11.875	23	14-0-0	ROSE 10-2 STD.DC & WOB				
J3	AJS 140	2.5	11.875	16	12-0-0	Job Path				
J2	AJS 140	2.5	11.875	7	8-0-0	8 \CUSTOMERS\GREENPARK\ZADORRA ESTATE				
J1	AJS 140	2.5	11.875	3	4-0-0	MODEL\ROSE 10\ROSE 10-2V-ROSE 10-2W\ROSE 10-2 STD & DC.dwg				
Rim Board								DESIGN CRITERIA		
Label	Description	Width	Depth	Pcs	Length	Second Floor				
R1	Norbord Rimboard Plus 1.125 X 11.875	1.125	11.875	17	12-0-0	Design Method				
						LSD (Canada)				
Blocking						NBCC 2015				
Label	Description	Width	Depth	Qty	Pcs	Length	Building Code			
BLK1	AJS 140	2.5	11.875	Varies	80-0-0	CBC 2012(2020 Update)				
Hanger						Floor				
Label	Pcs	Description	Beam/Girder	fasteners	Supported Member	Loads				
H2	1	HLST.517D	30 100x1 1/2	10 10g	Live					
H3	15	LF2511	12 100x1 1/2	1 #6x1 1/4WS	Dead					
						Deflection Joist				
						LL Span /				
						TL Span /				
						Deflection Flush Girder				
						LL Span /				
						TL Span /				
						Deflection Dropped Girder				
						LL Span /				
						TL Span /				
						Deflection Header				
						LL Span /				
						TL Span /				
						Decking				
						Thickness				
						5/8"				
CCMC References						Kott Inc.				
						3228 Moodie Dr. Ottawa				
						14 Anderson Blvd. Unbridge				
						Ontario				
						613-338-2775 /				
						905-642-4400				
						Kott Inc.				
						Web Stiffener				
						In Hanger Label Denotes Web Stiffener				
						Point Load Support				
						Load from Above				
						Wall				
						Wall Opening				
						Norbord Rimboard Plus 1.125 X 11.875				
						AJS 140 11.875				
						Versa-Lam LVL 2.1E 3100 SP 1.75				

All blocking to be cut from 12" joists

2' & 4' Lengths to be cut from 8' Length, 6' lengths to be cut from 12' Length

Ends of joists to be laterally supported

Packing of Steel beams and attachment by others

Shower and water down flange locations are approximate only; consult architectural drawing for exact locations

Beams identified as "B" are dropped and supplied by others

Install 2x4 blocking @ 24" o/c under parallel non-loadbearing walls

Load transfer blocks to be installed under all point loads

Refer to Multiple Member Connection Detail for ply to ply nailing or bolting requirements

Hangers and Fasteners to be installed as per manufacturer

Framing shown on this layout may deviate from architectural drawings, Arch / Eng to review and approve the deviation prior to construction.

Multi ply beams with side loading to have all fasteners installed with the head on the side of the applied load

Confirmation of adequate support & anchorage of components is the responsibility of the building designer; suggested uplift connectors are as shown

Where beam hangers on side of 3-ply member, it is recommended that the equivalent quantity and size of nails required for the hanger attachment also be installed on opposite side of the 3-ply member

Legend

WS

WS

PS

PS

PS

PS

PS

PS

PS

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PS

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Installation Guide



(Open your phone's camera and
hover over this QR code to access it)

Hatch Area represents where
additional load has been applied.
(e.g. 5 psf for ceramic tile)

- All blocking to be cut from 12' joists
- 2' & 4' Lengths to be cut from 8' Length, 6' lengths to be cut from 12' Length
- Ends of joists to be laterally supported
- Packing of Steel beams and attachment by others
- Shower and water closet flange locations are approximate only; consult architectural drawing for exact locations
- Beams identified as "B" are dropped and supplied by others
- Install 2x4 blocking @ 24" o/c under parallel non-loadbearing walls
- Load transfer blocks to be installed under all point loads
- Refer to Multiple Member Connection Detail for ply to ply nailing or bolting requirements
- Hangers and Fasteners to be installed as per manufacturer
- Framing shown on this layout may deviate from architectural drawings, Arch / Eng to review and approve the deviation prior to construction.
- Multi ply beams with side loading to have all fasteners installed with the head on the side of the applied load.
- Confirmation of adequate support & anchorage of components is the responsibility of the building designer; suggested uplift connectors are as shown.
- Where beam hangs on side of 3-ply member, it is recommended that the equivalent quantity and size of nails required for the hanger attachment also be installed on opposite side of the 3-ply member