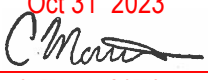


TRUE COPY
OF PERMIT PLANS
Oct 31 2023

PER: 
CHIEF BUILDING OFFICIAL

MIIP 23031 Engineering Note: EWP-Floors



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.

MHP 23031

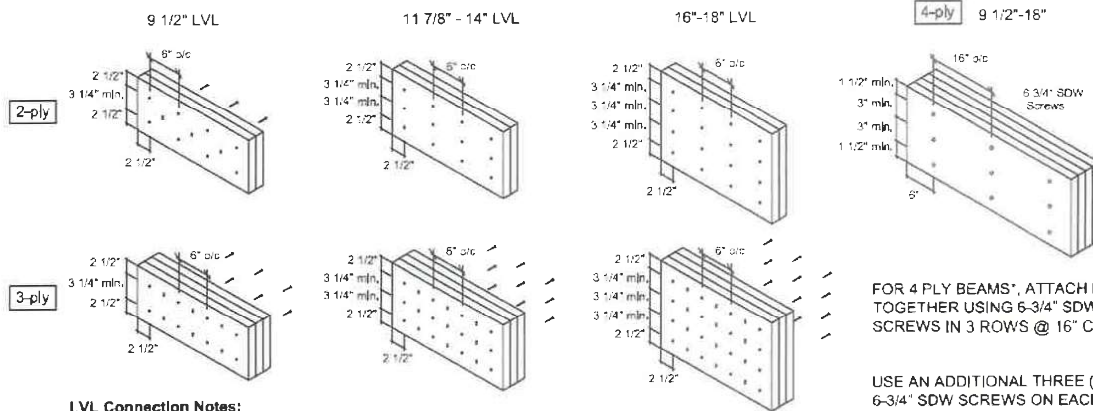
IM0723-044-KTF-GREENPARK-ZADORRA ESTATES-ROSE 10-1

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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 PLIES 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)

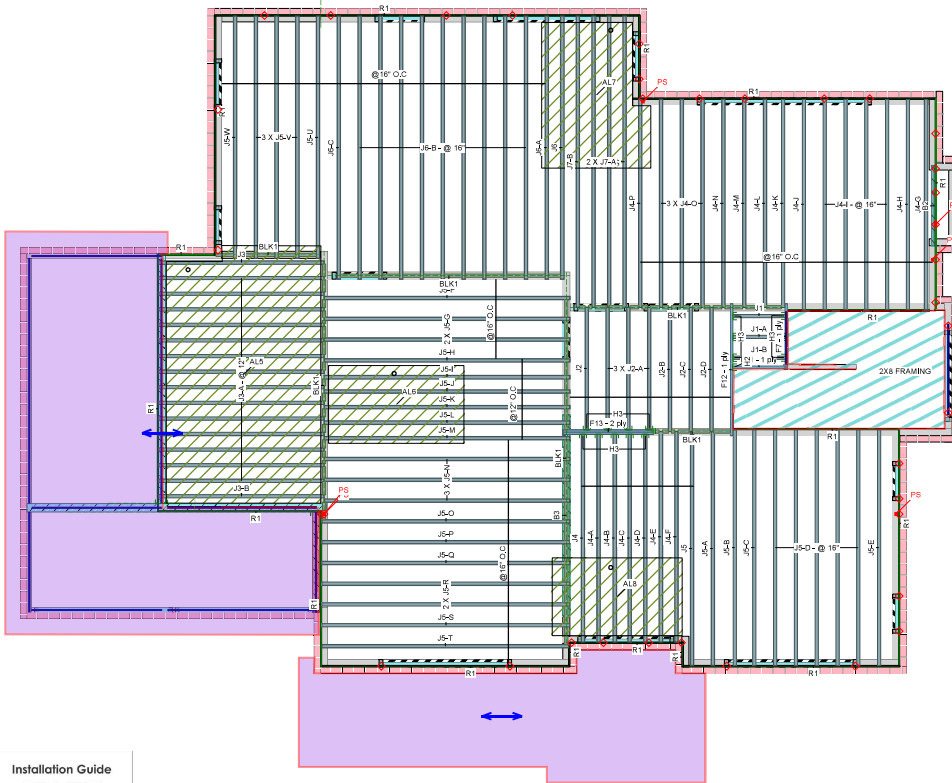
Last Revised January 13, 2023

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Second Floor



Second Floor								JOB INFORMATION	
LVL/L.SL (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		
F13	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875	1	2	2	6-0-0		
F7	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	6-0-0		
F11	Versa-Lam LVL 2.1E 3100 SP	1.75	11.875			1	4-0-0		
Joist (Flush)								Project	
Label	Description	Width	Depth	Pcs	Length				
J7	AJS 140	2.5	11.875	4	20-0-0				
J6	AJS 140	2.5	11.875	12	18-0-0				
J5	AJS 140	2.5	11.875	34	16-0-0				
J4	AJS 140	2.5	11.875	22	14-0-0				
J3	AJS 140	2.5	11.875	16	12-0-0				
J2	AJS 140	2.5	11.875	7	8-0-0				
J1	AJS 140	2.5	11.875	3	4-0-0				
Rim Board								Sales Rep	
Label	Description	Width	Depth	Pcs	Length				
R1	Norbord Rimboard Plus 1.125 X 11.875	1.125	11.875	17	12-0-0				
Blocking								RALPH MIRIGELLO	
Label	Description	Width	Depth	Qty	Pcs	Length			
BLK1	AJS 140	2.5	11.875	Varies	80-0-0				
Hanger								Designer	
Label	Pcs	Description	Beam/Girder	Fasteners	Supported Member				
H2	1	HL51.51/ID	30 100x1 1/2	13 10g					
H3	15	LF2511	12 100x1 1/2	1 #6x1 1/4WS					
								W.C.	
								Plotted	
								July 06, 2023	
								Layout Name	
								ROSE 10-1 STD.DC & WOB	
								Job Path	
								S:\CUSTOMERS\GREENPARK\ZADORRA ESTATE	
								MODEL/ROSE 10/ROSE 10-1V-ROSE 10-1R/ROSE 10-1 STD & DC/HL	
DESIGN CRITERIA								Second Floor	
								Design Method	
								LSD (Canada)	
								NBCC 2015	
								Building Code	
								CBC 2012(2020 Update)	
								Floor	
								Loads	
								Live	
								40	
								Dead	
								15	
								Deflection Joist	
								LL Span /	
								360	
								TL Span /	
								240	
								Deflection Flush Girder	
								LL Span /	
								360	
								TL Span /	
								240	
								Deflection Dropped Girder	
								LL Span /	
								360	
								TL Span /	
								240	
								Deflection Header	
								LL Span /	
								360	
								TL Span /	
								240	
								Decking	
								OSB	
								Thickness	
								5/8"	
								CCMC References	
								Boise - 12472-R, 12787-R	
								LP - 12412-R, Roseburg - 13310-R	
								Forex - 14035-R	
								Kott Inc.	
								3228 Moodie Dr, Ottawa	
								14 Anderson Blvd, Unbridge	
								Ontario	
								613-838-2775 /	
								905-642-4400	
								KOTT	
								Legend	
								WS	
								Web Stiffener	
								WS	
								In Hanger Label Denotes Web Stiffener	
								PS	
								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 drain 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

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