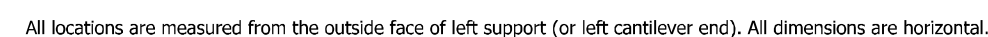


Level, Floor: Joist FLOOR JOISTS UNDER FOYER PANTRY AREA
1 piece(s) 2 x 10 DF No.2 @ 16" OC

Overall Length: 12' 7"



System : Floor
Member Type : Joist
Building Use : Residential
Building Code : IBC 2018
Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.
- A 15% increase in the moment capacity has been added to account for repetitive member usage.
- Applicable calculations are based on NDS.
- No composite action between deck and joist was considered in analysis.

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.
- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Vertical Loads	Location (Side)	Spacing	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
1 - Uniform (PSF)	0 to 12' 7"	16"	12.0	+0.0	-	Default Load
2 - Point (lb)	5' 1"	N/A	60	-	120	

Member Notes

PLAN 3857 FLOOR JOISTS UNDER PANTRY / OFFICE

Weyerhaeuser Notes

Weyerhaeuser warrants that the string of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Accessories (Rim Board, Blocking Panels and Squash Blobs) are not designed by this software. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards. Weyerhaeuser Engineered Lumber Products have been evaluated by ICC-ES under evaluation reports ESR-1153 and ESR- and/or tested in accordance with applicable ASTM standards. For current code evaluation reports, Weyerhaeuser product literature and installation details refer to www.weyerhaeuser.com/woodproducts/document-library.

The product application, input design loads, dimensions and support information have been provided by A. K. Designs Inc.

8/16/2022 3:45:22 PM UTC
ForteWEB v3.4, Engine: V8.2.2.122, Data: V8.1.2.2
File Name: 2997
Page 1 / 1



RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

12/08/2022



FOUNDATION PLAN
2102 SF FINISHED
224 SF UNFINISHED

SUSPENDED SLAB
CONCRETE MIN 3,500 P SI
GRADE 40 REBAR

NO 4 REBAR EXTENDING INTO
SLAB MIN 24" 12" O.C TYP ALL
SIDES

NOTE BUILD 2 X 6 FLOOR TO POUR
STOOP "NOT TEMPORARY" LAG TO
CONCRETE WALLS, FLOOR FLUSH
WITH TOP OF FOUNDATION



12-6-22

BUILD IN ACCORDANCE WITH
2018 INTERNATIONAL
RESIDENTIAL CODE AND
LOCAL CODES.

TRUMARK HOMES
KYLE VI CUSTOM
LOT 163 WOODSIDE RIDGE
3362 NW PATCH CT
LEE SUMMIT MO

SCALE
1/4" = 1'-0"

DATE
11-16-22

PLAN NO.
3857

SHEET NO.

2 OF 5