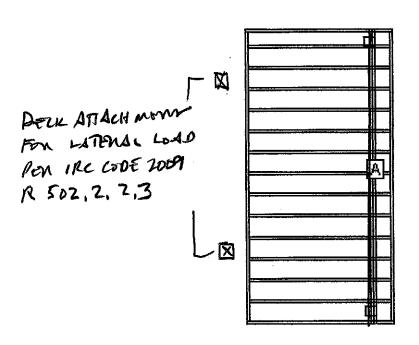
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Beam Layout Level 1



3. FramING



BEAM LABEL

Α

BEAM LENGTH 13' 10 1/4"

POST COUNT

POST SPACING

12' 8 3/4"

3 - 2" × 12" × 13' 10 1/4 SITTIME ON TOP OF 6x6 (SEE ALL OH LOWER DECK VIEW)

POSKS 12'

LEDGER 2" X12" X14" #2 PT SYP FASTENER FOR LEGGER 1/2" X B"HOT DIPPERD GAN HEX BOLT Au Framina Lumber 15 2×12 #2 PT 12"0c Pen 12" JOIST HONGORS AND USP 2"X 12" THIPLE ZING SLANT NOIL T USP 1/2" X 6/12" THIPLE DINE RAFTER TIES

TABLE R502.2.2.1 FASTENER SPACING FOR A SOUTHERN PINE OR HEM-FIR DECK LEDGER AND A 2-INCH NOMINAL SOLID-SAWN SPRUCE-PINE-FIR BAND JOIST^{0, f, g} (Deck live load = 40 psf, deck dead load = 10 psf)

JOIST SPAN	6' and less	6′1″ to 8′	8'1" to 10'	10'1" to 12'	12'1" to 14'	14'1" to 16'	16'1" to 18'			
Connection details	On-center spacing of fasteners ^{d, o}									
ginch diameter lag screw with ¹⁵ / ₃₂ inch jaximum sheathing ^a	30	23	18	15	(13)	11	10			
kinch diameter bolt with ¹⁵ / ₃₂ inch maximum cathing	36	36	34	29	24	21	19			
Finch diameter bolt with ¹⁵ / ₃₂ inch maximum seathing and ¹ / ₂ inch stacked washers ^{b, h}	36	36	29	.24	21	18	16			

SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm. 1 pound per square foot = 0.0479 kPa.

The tip of the lag screw shall fully extend beyond the inside face of the band joist.

The maximum gap between the face of the ledger board and face of the wall sheathing shall be 1/2".

reledgers shall be flashed to prevent water from contacting the house band joist.

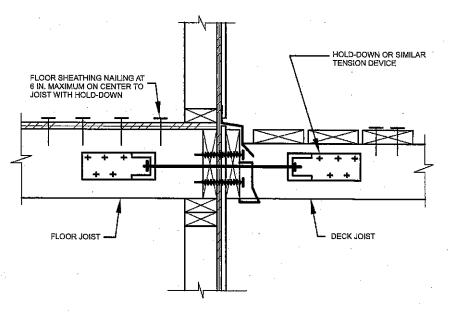
deleg screws and bolts shall be staggered in accordance with Section R502.2.2.1.1.

o Deck tedger shall be minimum 2 × 8 pressure-preservative-treated No.2 grade lumber, or other approved materials as established by standard engineering practice.

When solid-sawn pressure-preservative-treated deck ledgers are attached to a minimum 1 inch thick engineered wood product (structural composite lumber, laminated veneer lumber or wood structural panel band joist), the ledger attachment shall be designed in accordance with accepted engineering practice.

minimum $1 \times 9^{1}/_{2}$ Douglas Fir laminated veneer lumber rimboard shall be permitted in lieu of the 2-inch nominal band joist.

Wood structural panel sheathing, gypsum board sheathing or foam sheathing not exceeding 1 inch in thickness shall be permitted. The maximum distance between the face of the leader board and the face of the band joist shall be 1 inch.



or SI: 1 inch = 25.4 mm.

FIGURE R502.2.2.3
DECK ATTACHMENT FOR LATERAL LOADS

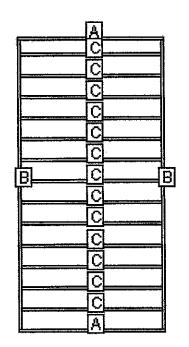
R502.3 Allowable joist spans. Spans for floor joists shall be in accordance with Tables R502.3.1(1) and R502.3.1(2). For other grades and species and for other loading conditions, refer to the AF&PA Span Tables for Joists and Rafters.

R502.3.1 Sleeping areas and attic joists. Table R502.3.1(1) shall be used to determine the maximum allowable span of floor joists that support sleeping areas and

attics that are accessed by means of a fixed stairway in accordance with Section R311.7 provided that the design live load does not exceed 30 pounds per square foot (1.44 kPa) and the design dead load does not exceed 20 pounds per square foot (0.96 kPa). The allowable span of ceiling joists that support attics used for limited storage or no storage shall be determined in accordance with Section R802.4.



Materials Cut List: Level 1



New

LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Rim Joist	2	6' 10 1/4"	0, 0	С	Internal Joist	13	6' 7 1/4"	0, 0
В	Header	2	13' 7 1/4"	0, 0					

Cut Angles: L=Left, R=Right, F=Front, S=Side