

2" x 10" House Joist Floor Construction

Deck Dimensions	Floor Dimensions	
Joist Size	House Joist Spacing	Deck to Floor Step
2"x10"	2x10s @ 12" O.C.	2 3/4"
2"x12"	2x10s @ 12" O.C.	3/4"
2"x10"	(2)2x10s @ 16" O.C.	2 3/4"
2"x12"	(2)2x10s @ 16" O.C.	3/4"
2"x10"	2x10s @ 16" O.C.	2 3/4"
2"x12"	2x10s @ 16" O.C.	3/4"
2"x10"	2x10s @ 19 3/16" O.C.	2 3/4"
2"x12"	2x10s @ 19 3/16" O.C.	3/4"

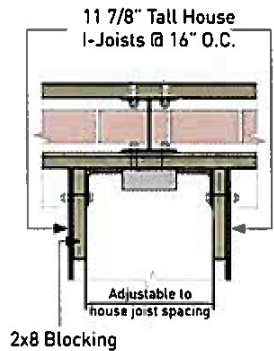
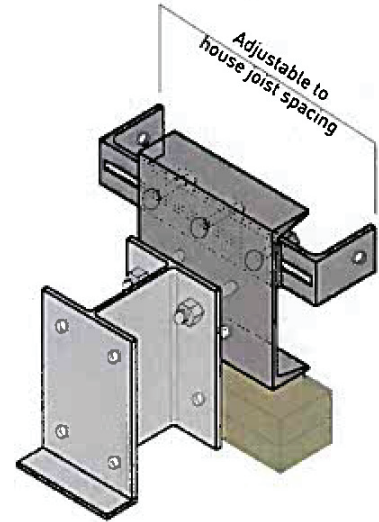
2" x 12" House Joist Floor Construction

Deck Dimensions	Floor Dimensions	
Joist Size	House Joist Spacing	Deck to Floor Step
2"x10"	2x12s @ 12" O.C.	2 3/4"
2"x12"	2x12s @ 12" O.C.	3/4"
2"x10"	(2)2x12s @ 16" O.C.	2 3/4"
2"x12"	(2)2x12s @ 16" O.C.	3/4"
2"x10"	2x12s @ 16" O.C.	2 3/4"
2"x12"	2x12s @ 16" O.C.	3/4"
2"x10"	2x12s @ 19 3/16" O.C.	2 3/4"
2"x12"	2x12s @ 19 3/16" O.C.	3/4"

11 7/8" | Joist Floor Construction (See Blocking Requirements)

Deck Dimensions	Floor Dimensions	
Joist Size	House Joist Spacing	Deck to Floor Step
2"x10"	11 7/8" Joist 16" O.C.	5 3/8"
2"x12"	11 7/8" Joist 16" O.C.	3 3/8"
2"x10"	11 7/8" Joist 19 3/16" O.C.	5 3/8"
2"x12"	11 7/8" Joist 19 3/16" O.C.	3 3/8"

- Deck to floor step based on 11 7/8" | Joist Height.



DeckStruc™ - Allowable Load Table (ASD)

Design Criteria

Dead Load - 10 lbs.
Live Load - 40 lbs.

Allowable Loads

Allowable Loads

Deck Joist Span	Bracket Spacing
12'-0"	5'-4" O.C.
14'-0"	5'-4" O.C.
16'-0"	4'-0" O.C.
18'-0"	4'-0" O.C.
20'-0"	4'-0" O.C.

Ledger board continuous over 3 brackets @ cantilever end condition

Lateral Steel Angle

- (4) Required per deck structure.
- (4 brackets x 750 lbs = 3000 lbs lateral resistance)

