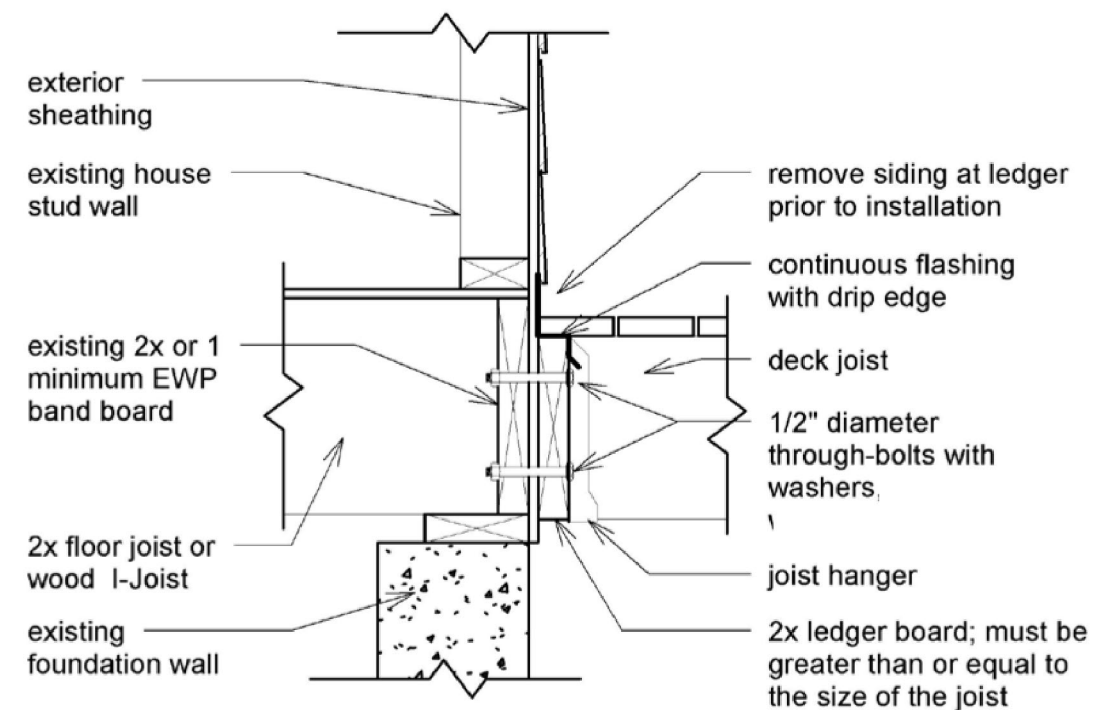
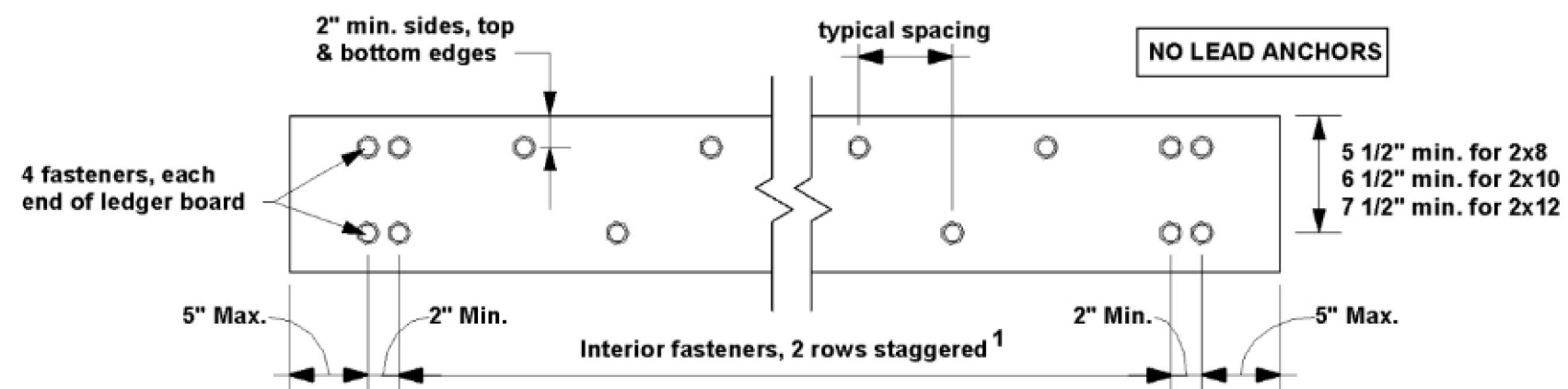


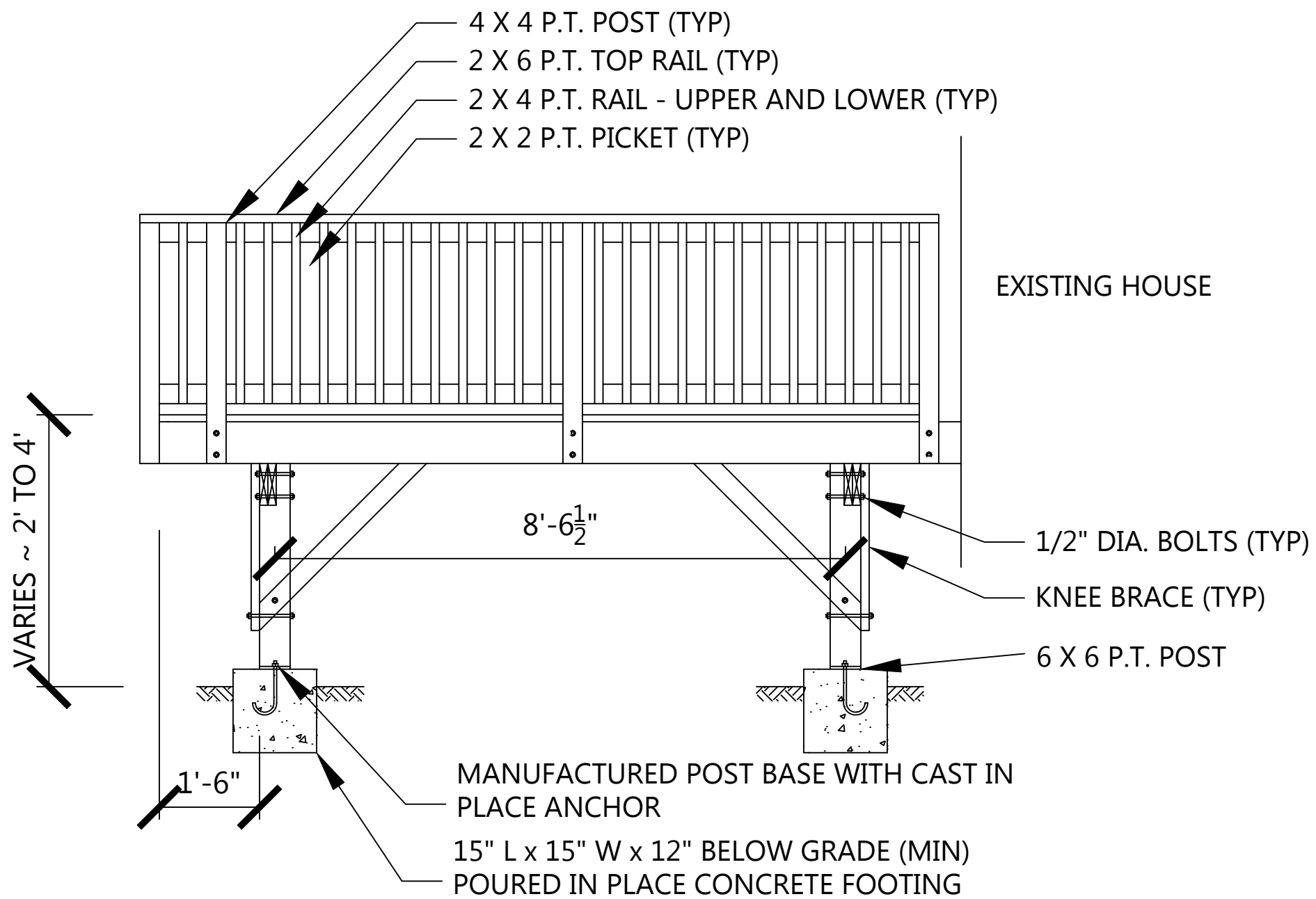
**1 KNEE BRACING**  
NOT TO SCALE



**2 LEDGER TO HOUSE CONNECTION**  
NOT TO SCALE



**3 LEDGER FASTENING**  
NOT TO SCALE



**1 WEST VIEW**  
SCALE: 1/2" = 1'-0"

Joist Spacing→ Joist Size↓	12"	16"	24"
2x8	13'-8"	12'-5"	10'-2"
2x10	17'-5"	15'-10"	13'-1"
2x12	18'-0"	18'-0"	15'-5"

1. Spacing based on 40 PCF live load, 10 PCF dead load, southern pine #2, normal loading duration, wet service.

# 1 JOIST SPAN

Species	Size	Joist Spans (L <sub>J</sub> ) Less Than or Equal to:						
		6'	8'	10'	12'	14'	16'	18'
Southern Pine	2-2x6	6' - 11"	5' - 11"	5' - 4"	4' - 10"	4' - 6"	4' - 3"	4' - 0"
	2-2x8	8' - 9"	7' - 7"	6' - 9"	6' - 2"	5' - 9"	5' - 4"	5' - 0"
	2-2x10	10' - 4"	9' - 0"	8' - 0"	7' - 4"	6' - 9"	6' - 4"	6' - 0"
	2-2x12	12' - 2"	10' - 7"	9' - 5"	8' - 7"	8' - 0"	7' - 6"	7' - 0"
	3-2x6	8' - 2"	7' - 5"	6' - 8"	6' - 1"	5' - 8"	5' - 3"	5' - 0"
	3-2x8	10' - 10"	9' - 6"	8' - 6"	7' - 9"	7' - 2"	6' - 8"	6' - 4"
	3-2x10	13' - 0"	11' - 3"	10' - 0"	9' - 2"	8' - 6"	7' - 11"	7' - 6"
	3-2x12	15' - 3"	13' - 3"	11' - 10"	10' - 9"	10' - 0"	9' - 4"	8' - 10"

1. Spacing based on 40 PCF live load, 10 PCF dead load, southern pine #2, normal loading duration, wet service.

# 2 BEAM SPAN

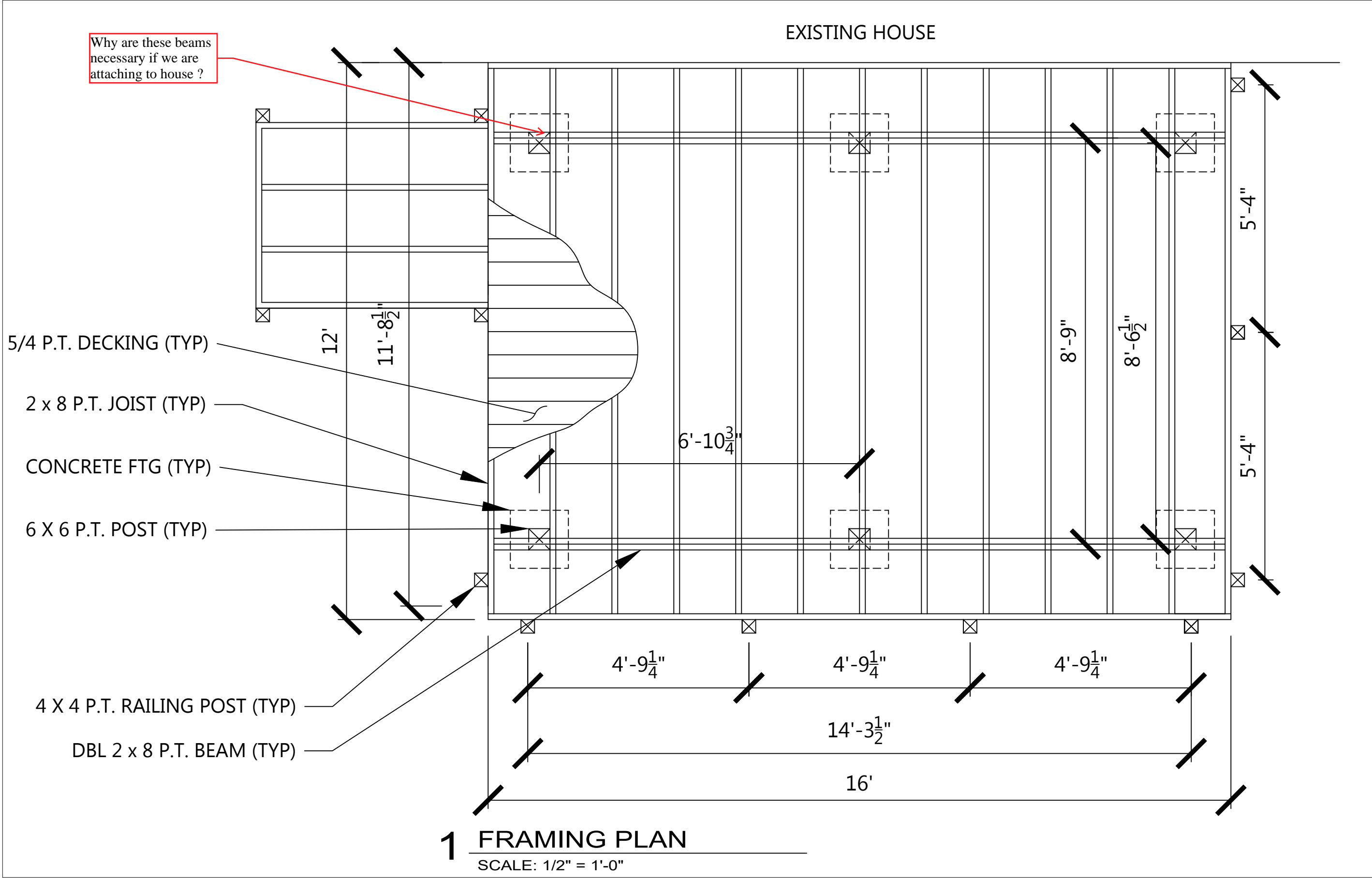
Beam Span	Joist Span	Size of Square	Size of Round	Minimum Thickness <sup>1</sup>
≤ 8'	≤ 10'	15"	17"	6"
	>10' - 14'	18"	20"	8"
	>14' - 18'	21"	23"	9"
> 8' - 12'	≤ 10'	19"	21"	8"
	>10' - 14'	22"	24"	10"
	>14' - 18'	26"	28"	11"
>12' - 17'	≤ 10'	23"	25"	10"
	>10' - 14'	28"	30"	12"

# 3 FOOTING SIZE

TABLE 4: LEDGER BOARD FASTENER SPACING, ON CENTER

Fastener↓	Joist Span→ Band Board↓	≤6'	>6'-8'	>8'-10'	>10'-12'	>12'-14'	>14'-16'	>16'-18'
Through Bolts	EWP <sup>1</sup>	24"	18"	14"	12"	10"	9"	8"
	2x lumber	36"	36"	34"	29"	24"	21"	19"

# 4 LEDGER FASTENING



DECK REPLACEMENT  
FRAMING PLAN

DATE: 11/29/2020

Sheet No.

A01