

CEILING SPAN TABLE

L/240

Section	Fy (ksi)	4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange			Midspan			Lateral Support of Compression Flange			Midspan			Lateral Support of Compression Flange			Midspan		
		Unspaced Joist Spacing (in) o.c.			Unspaced Joist Spacing (in) o.c.			Unspaced Joist Spacing (in) o.c.			Unspaced Joist Spacing (in) o.c.			Unspaced Joist Spacing (in) o.c.			Unspaced Joist Spacing (in) o.c.		
	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	
162S125-18	33	7' 3"	8' 7"	5' 10"	8' 3"	7' 6"	6' 7"	6' 4"	5' 10"	5' 1"	7' 2"	6' 7"	5' 9"	5' 0"	4' 5"	3' 9"	5' 7"	4' 10"	3' 11"
162S125-27	33	8' 7"	7' 11"	7' 1"	9' 8"	8' 9"	7' 8"	7' 8"	7' 1"	6' 3"	8' 5"	7' 8"	6' 8"	6' 1"	5' 6"	4' 9"	6' 6"	5' 11"	5' 2"
162S125-30	33	9' 0"	8' 3"	7' 4"	9' 11"	9' 0"	7' 11"	8' 0"	7' 4"	6' 6"	8' 8"	7' 11"	6' 11"	6' 5"	5' 10"	5' 0"	6' 9"	6' 1"	5' 4"
162S125-33	33	9' 5"	8' 8"	7' 8"	10' 3"	9' 4"	8' 2"	8' 4"	7' 8"	6' 10"	9' 0"	8' 2"	7' 1"	6' 8"	6' 1"	5' 4"	6' 11"	6' 4"	5' 6"
162S137-27	33	9' 11"	9' 2"	8' 0"	10' 1"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 2"	5' 5"	6' 10"	6' 2"	5' 5"
162S137-30	33	10' 3"	9' 6"	8' 3"	10' 5"	9' 6"	8' 3"	9' 1"	8' 3"	7' 3"	9' 1"	8' 3"	7' 3"	7' 0"	6' 5"	5' 7"	7' 0"	6' 5"	5' 7"
162S137-33	33	10' 9"	9' 9"	8' 7"	10' 9"	9' 9"	8' 7"	9' 5"	8' 7"	7' 6"	9' 5"	8' 7"	7' 6"	7' 3"	6' 7"	5' 9"	7' 3"	6' 7"	5' 9"
250S125-18	33	8' 5"	7' 9"	6' 11"	11' 4"	10' 4"	9' 0"	7' 6"	6' 11"	6' 2"	9' 11"	9' 0"	7' 8"	6' 0"	5' 6"	4' 10"	7' 5"	6' 7"	5' 6"
250S125-27	33	9' 8"	8' 11"	8' 0"	13' 4"	12' 1"	10' 7"	8' 8"	8' 0"	7' 2"	11' 8"	10' 7"	9' 3"	7' 0"	6' 6"	5' 9"	9' 0"	8' 2"	6' 10"
250S125-30	33	10' 0"	9' 3"	8' 3"	13' 9"	12' 6"	10' 11"	8' 11"	8' 3"	7' 4"	12' 0"	10' 11"	9' 6"	7' 2"	6' 8"	6' 0"	9' 3"	8' 5"	7' 3"
250S125-33	33	10' 5"	9' 8"	8' 7"	14' 3"	12' 11"	11' 3"	9' 4"	8' 7"	7' 8"	12' 5"	11' 3"	9' 10"	7' 6"	6' 11"	6' 2"	9' 7"	8' 9"	7' 7"
250S125-43	33	11' 9"	10' 10"	9' 7"	15' 6"	14' 1"	12' 3"	10' 5"	9' 7"	8' 6"	13' 6"	12' 3"	10' 9"	8' 4"	7' 8"	6' 10"	10' 5"	9' 6"	8' 3"
250S137-27	33	11' 0"	10' 2"	9' 1"	14' 0"	12' 9"	11' 1"	9' 10"	9' 1"	8' 2"	12' 3"	11' 1"	9' 9"	8' 0"	7' 5"	6' 8"	9' 6"	8' 7"	7' 6"
250S137-30	33	11' 4"	10' 6"	9' 5"	14' 5"	13' 2"	11' 6"	10' 2"	9' 5"	8' 5"	12' 8"	11' 6"	10' 0"	8' 3"	7' 8"	6' 10"	9' 9"	8' 10"	7' 9"
250S137-33	33	11' 10"	10' 11"	9' 9"	14' 11"	13' 7"	11' 10"	10' 7"	9' 8"	8' 9"	13' 1"	11' 10"	10' 4"	8' 6"	7' 11"	7' 1"	10' 1"	9' 2"	8' 0"
250S137-43	33	13' 3"	12' 2"	10' 9"	16' 3"	14' 9"	12' 11"	11' 9"	10' 9"	9' 7"	14' 2"	12' 11"	11' 3"	9' 5"	8' 8"	7' 9"	10' 11"	9' 11"	8' 8"
250S162-33	33	13' 6"	12' 5"	11' 2"	15' 8"	14' 3"	12' 5"	12' 1"	11' 2"	10' 0"	13' 8"	12' 5"	10' 10"	9' 9"	9' 1"	8' 0"	10' 7"	9' 7"	8' 5"
250S162-43	33	15' 0"	13' 9"	12' 3"	17' 1"	15' 6"	13' 6"	13' 4"	12' 3"	10' 11"	14' 11"	13' 6"	11' 10"	10' 8"	9' 11"	8' 10"	11' 6"	10' 5"	9' 2"
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 10"	8' 2"	7' 6"	6' 8"	10' 11"	9' 10"	8' 5"	6' 6"	5' 11"	5' 3"	8' 2"	7' 2"	6' 0"
350S125-27	33	10' 6"	9' 9"	8' 9"	14' 10"	13' 9"	12' 2"	9' 5"	8' 9"	7' 9"	13' 4"	12' 2"	10' 7"	7' 7"	7' 0"	6' 4"	10' 4"	9' 2"	7' 9"
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 4"	14' 2"	12' 8"	9' 9"	9' 0"	8' 1"	13' 9"	12' 8"	11' 2"	7' 11"	7' 3"	6' 6"	10' 10"	9' 9"	8' 3"
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 8"	13' 1"	10' 1"	9' 4"	8' 4"	14' 3"	13' 1"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"
350S125-43	33	12' 7"	11' 7"	10' 3"	17' 6"	16' 2"	14' 6"	11' 2"	10' 3"	9' 2"	15' 8"	14' 6"	12' 11"	8' 11"	8' 3"	7' 5"	12' 7"	11' 6"	10' 0"
350S137-27	33	11' 11"	11' 0"	9' 11"	17' 0"	15' 9"	14' 1"	10' 8"	9' 11"	8' 10"	15' 3"	14' 1"	12' 4"	8' 8"	8' 1"	7' 3"	11' 11"	10' 7"	8' 11"
350S137-30	33	12' 4"	11' 5"	10' 2"	17' 6"	16' 3"	14' 6"	11' 0"	10' 2"	9' 2"	15' 9"	14' 6"	12' 10"	8' 11"	8' 4"	7' 5"	12' 6"	11' 2"	9' 6"
350S137-33	33	12' 9"	11' 9"	10' 7"	18' 1"	16' 9"	15' 0"	11' 5"	10' 7"	9' 5"	16' 3"	15' 0"	13' 4"	9' 3"	8' 7"	7' 8"	13' 0"	11' 9"	10' 0"
350S137-43	33	14' 1"	13' 0"	11' 7"	19' 10"	18' 4"	16' 5"	12' 7"	11' 7"	10' 4"	17' 9"	16' 5"	14' 7"	10' 1"	9' 4"	8' 4"	14' 2"	12' 11"	11' 3"
350S162-33	33	14' 6"	13' 5"	12' 0"	20' 3"	18' 5"	16' 1"	13' 0"	12' 0"	10' 10"	17' 9"	16' 1"	14' 1"	10' 7"	9' 10"	8' 10"	13' 8"	12' 5"	10' 10"
350S162-43	33	16' 0"	14' 9"	13' 2"	22' 1"	20' 0"	17' 6"	14' 3"	13' 2"	11' 9"	19' 3"	17' 6"	15' 3"	11' 6"	10' 8"	9' 7"	14' 11"	13' 6"	11' 10"
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 7"	11' 7"	10' 0"	8' 3"	7' 7"	6' 9"	11' 1"	10' 0"	8' 6"	6' 7"	6' 0"	5' 4"	8' 3"	7' 4"	6' 1"
362S125-27	33	10' 7"	9' 10"	8' 10"	15' 0"	13' 10"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 4"	10' 5"	9' 4"	7' 11"
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 10"	9' 10"	9' 1"	8' 2"	13' 10"	12' 10"	11' 4"	8' 0"	7' 4"	6' 7"	11' 0"	9' 11"	8' 5"
362S125-33	33	11' 5"	10' 6"	9' 5"	16' 2"	14' 10"	13' 3"	10' 2"	9' 5"	8' 5"	14' 4"	13' 3"	11' 10"	8' 3"	7' 7"	6' 10"	11' 7"	10' 6"	8' 11"
362S125-43	33	12' 8"	11' 8"	10' 4"	17' 9"	16' 4"	14' 7"	11' 3"	10' 5"	9' 3"	15' 10"	14' 7"	13' 0"	9' 0"	8' 4"	7' 6"	12' 9"	11' 8"	10' 2"
362S137-27	33	12' 0"	11' 1"	10' 0"	17' 2"	15' 10"	14' 3"	10' 9"	10' 0"	8' 11"	15' 5"	14' 3"	12' 6"	8' 9"	8' 1"	7' 4"	12' 1"	10' 9"	9' 1"
362S137-30	33	12' 5"	11' 6"	10' 3"	17' 8"	16' 5"	14' 8"	11' 1"	10' 3"	9' 3"	15' 10"	14' 8"	13' 0"	9' 0"	8' 4"	7' 6"	12' 8"	11' 4"	9' 8"
362S137-33	33	12' 10"	11' 11"	10' 8"	18' 3"	16' 11"	15' 2"	11' 6"	10' 8"	9' 6"	16' 5"	15' 2"	13' 6"	9' 4"	8' 8"	7' 9"	13' 1"	11' 11"	10' 2"
362S137-43	33	14' 3"	13' 1"	11' 8"	20' 0"	18' 6"	16' 6"	12' 8"	11' 8"	10' 5"	17' 11"	16' 6"	14' 9"	10' 3"	9' 5"	8' 5"	14' 5"	13' 2"	11' 5"
362S162-33	33	14' 8"	13' 7"	12' 2"	20' 10"	18' 11"	16' 6"	13' 1"	12' 2"	10' 11"	18' 2"	16' 6"	14' 5"	10' 8"	9' 11"	8' 10"	14' 1"	12' 9"	11' 2"
362S162-43	33	16' 2"	14' 10"	13' 3"	22' 8"	20' 7"	18' 0"	14' 5"	13' 3"	11' 11"	19' 10"	18' 0"	15' 9"	11' 8"	10' 9"	9' 8"	15' 4"	13' 11"	12' 2"
400S125-18	33	9' 6" e	8' 9" e	7' 10" e	13' 0" e	11' 11" e	10' 5" e	8' 6" e	7' 10" e	6' 11" e	11' 6" e	10' 5" e	8' 11" e	6' 9" e	6' 2" e	5' 6" e	8' 7" e	7' 8" e	6' 5" e
400S125-27	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 3"	12' 9"	9' 9"	9' 0"	8' 1"	13' 9"	12' 9"	11' 2"	7' 11"	7' 3"	6' 6"	10' 10"	9' 9"	8' 3"
400S125-30	33	11' 3"	10' 5"	9' 4"	15' 11"	14' 8"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 9"
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 7"	10' 6"	9' 8"	8' 8"	14' 9"	13' 7"	12' 2"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 4"
400S125-43	33	13' 0"	11' 11"	10' 8"	18' 2"	16' 9"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 3"	8' 7"	7' 8"	13' 1"	12' 0"	10' 7"
400S137-27	33	12' 4"	11' 5"	10' 3"	17' 7"	16' 3"	14' 7"	11' 1"	10' 3"	9' 2"	15' 9"	14' 7"	12' 11"	9' 0"	8' 4"	7' 6"	12' 7"	11' 3"	9' 6"
400S137-30	33	12' 9"	11' 9"	10' 7"	18' 1"	16' 9"	15' 1"	11' 5"	10' 7"	9' 6"	16' 3"	15' 1"	13' 5"	9' 3"	8' 7"	7' 8"	13' 1"	11' 10"	10' 1"
400S137-33	33	13' 3"	12' 2"	10' 11"	18' 9"	17' 4"	15' 7"	11' 10"	10' 11"	9' 9"	16' 10"	15' 7"	13' 10"	9' 7"	8' 10"	7' 11"	13' 7"	12' 4"	10' 8"
400S137-43	33	14' 7"	13' 5"	12' 0"	20' 6"	18' 11"	16' 11"	13' 0"	12' 0"	10' 9"	18' 4"	16' 11"	15' 2"	10' 6"	9' 8"	8' 8"	14' 10"	13' 7"	11' 10"
400S162-33	33	15' 0"	13' 11"	12' 5"	21' 5"	19' 10"	17' 9"	13' 5"	12' 5"	11' 2"	19' 2"	17' 9"	15' 7"	10' 11"	10' 2"	9' 1"	15' 2"	13' 9"	11' 9"
400S162-43	33	16' 6"	15' 3"	13' 8"	23' 4"	21' 7"	19' 4"	14' 9"	13' 8"	12' 2"	20' 11"	19' 4"	16' 11"	11' 11"	11' 0"	9' 11"	16' 6"	15' 0"	13' 1"
550S125-27	33	12' 1"	11' 2"	10' 1"	17' 5"	16' 1"	14' 5"	10' 10"	10' 1"	9' 1"	15' 7"	14' 5"	12' 10"	8' 11"	8' 3"	7' 5"	12' 7"	11' 6"	10' 0"
550S125-30	33	12' 5"	11' 6"	10' 4"	17' 11"	16' 7"	14' 10"	11' 2"	10' 4"	9' 4"	16' 1"	14' 10"	13' 4"	9' 2"	8' 6"	7' 8"	13' 0"	12' 0"	10' 7"
550S125-33	33	12' 10"	11' 11"	10' 8"	18' 5"	17' 1"	15' 5"	11' 6"	10' 8"	9' 7"	16' 7"	15' 5"	13' 9"	9' 5"	8' 9"	7' 10"	13' 6"	12' 5"	11' 1"
550S125-43	33	14' 2"	13' 0"	11' 8"	20' 0"	18' 6"	16' 7"	12' 7"	11' 8"	10' 5"	17' 11"	16' 7"	14' 11"	10' 2"	9' 5"	8' 5"	14' 7"	13' 6"	12' 1"
550S137-27	33	13' 8"	12' 8"	11' 5"	19' 9"	18' 4"	16' 6"	12' 3"	11' 5"	10' 3"	17' 9"	16' 6"	14' 11"	10' 1"	9' 4"	8' 5"	14' 7"	13' 6"	11' 11"
550S137-30	33	14' 1"	13' 0"	11' 8"	20' 3"	18' 10"	16' 11"	12' 7"	11' 8"	10' 6"	18' 3"	16' 11"	15' 3"	10' 4"	9' 7"	8' 8"	15' 0"	13' 11"	12' 4"
550S137-33	33	14' 6"	13' 5"	12' 1"	20' 10"	19' 4"	17' 5"	13' 0"	12' 1"	10' 10"	18' 9"	17' 5"	15' 8"	10' 7"	9' 10"	8' 11"	15' 5"	14' 3"	

CEILING SPAN TABLE

L/360

Section	Fy (ksi)	4 psf									6 psf									13 psf								
		Lateral Support of Compression Flange			Midspan			Lateral Support of Compression Flange			Midspan			Lateral Support of Compression Flange			Midspan			Lateral Support of Compression Flange			Midspan					
		Unsupported Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.					
	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24				
162S125-18	33	7'2"	6'7"	5'9"	7'2"	6'7"	5'9"	6'4"	5'9"	5'0"	6'4"	5'9"	5'0"	4'10"	4'5"	3'9"	4'10"	4'5"	3'10"	4'10"	4'5"	3'10"	4'10"	4'5"	3'10"			
162S125-27	33	8'5"	7'8"	6'8"	8'5"	7'8"	6'8"	7'4"	6'8"	5'10"	7'4"	6'8"	5'10"	5'8"	5'2"	4'6"	5'8"	5'2"	4'6"	5'8"	5'2"	4'6"	5'8"	5'2"	4'6"			
162S125-30	33	8'8"	7'11"	6'11"	8'8"	7'11"	6'11"	7'7"	6'11"	6'0"	7'7"	6'11"	6'0"	5'10"	5'4"	4'8"	5'10"	5'4"	4'8"	5'10"	5'4"	4'8"	5'10"	5'4"	4'8"			
162S125-33	33	9'0"	8'2"	7'1"	9'0"	8'2"	7'1"	7'10"	7'1"	6'3"	7'10"	7'1"	6'3"	6'1"	5'6"	4'10"	6'1"	5'6"	4'10"	6'1"	5'6"	4'10"	6'1"	5'6"	4'10"			
162S137-27	33	8'10"	8'0"	7'0"	8'10"	8'0"	7'0"	7'9"	7'0"	6'2"	7'9"	7'0"	6'2"	6'0"	5'5"	4'9"	6'0"	5'5"	4'9"	6'0"	5'5"	4'9"	6'0"	5'5"	4'9"			
162S137-30	33	9'1"	8'3"	7'3"	9'1"	8'3"	7'3"	8'0"	7'3"	6'4"	8'0"	7'3"	6'4"	6'2"	5'7"	4'11"	6'2"	5'7"	4'11"	6'2"	5'7"	4'11"	6'2"	5'7"	4'11"			
162S137-33	33	9'5"	8'7"	7'6"	9'5"	8'7"	7'6"	8'3"	7'6"	6'6"	8'3"	7'6"	6'6"	6'4"	5'9"	5'1"	6'4"	5'9"	5'1"	6'4"	5'9"	5'1"	6'4"	5'9"	5'1"			
250S125-18	33	8'5"	7'9"	6'11"	9'11"	9'0"	7'10"	7'6"	6'11"	6'2"	8'8"	7'10"	6'11"	6'0"	5'6"	4'10"	6'8"	6'1"	5'4"	6'0"	5'6"	4'10"	6'8"	6'1"	5'4"			
250S125-27	33	9'8"	8'11"	8'0"	11'8"	10'7"	9'3"	8'8"	8'0"	7'2"	10'2"	9'3"	8'1"	7'0"	6'6"	5'9"	7'10"	7'2"	6'3"	7'0"	6'6"	5'9"	7'10"	7'2"	6'3"			
250S125-30	33	10'0"	9'3"	8'3"	12'0"	10'11"	9'6"	8'11"	8'3"	7'4"	10'6"	9'6"	8'4"	7'2"	6'8"	6'0"	8'1"	7'4"	6'5"	7'2"	6'8"	6'0"	8'1"	7'4"	6'5"			
250S125-33	33	10'5"	9'8"	8'7"	12'5"	11'3"	9'10"	9'4"	8'7"	7'8"	10'10"	9'10"	8'7"	7'6"	6'11"	6'2"	8'5"	7'7"	6'8"	7'6"	6'11"	6'2"	8'5"	7'7"	6'8"			
250S125-43	33	11'9"	10'10"	9'7"	13'6"	12'3"	10'9"	10'5"	9'7"	8'6"	11'10"	10'9"	9'4"	8'4"	7'8"	6'10"	9'1"	8'3"	7'3"	9'1"	8'3"	7'3"	9'1"	8'3"	7'3"			
250S137-27	33	11'0"	10'2"	9'1"	12'3"	11'1"	9'9"	9'10"	9'1"	8'2"	10'8"	9'9"	8'6"	8'0"	7'5"	6'7"	8'3"	7'6"	6'7"	8'0"	7'5"	6'7"	8'3"	7'6"	6'7"			
250S137-30	33	11'4"	10'6"	9'5"	12'8"	11'6"	10'0"	10'2"	9'5"	8'5"	11'0"	10'0"	8'9"	8'3"	7'8"	6'9"	8'6"	7'9"	6'9"	8'3"	7'8"	6'9"	8'6"	7'9"	6'9"			
250S137-33	33	11'10"	10'11"	9'9"	13'1"	11'10"	10'4"	10'7"	9'9"	8'9"	11'5"	10'4"	9'1"	8'6"	7'11"	7'0"	8'10"	8'0"	7'0"	8'6"	7'11"	7'0"	8'10"	8'0"	7'0"			
250S137-43	33	13'3"	12'2"	10'9"	14'2"	12'11"	11'3"	11'9"	10'9"	9'7"	12'5"	11'3"	9'10"	9'5"	8'8"	7'7"	9'7"	8'8"	7'7"	9'7"	8'8"	7'7"	9'7"	8'8"	7'7"			
250S162-33	33	13'6"	12'5"	10'10"	13'8"	12'5"	10'10"	12'0"	10'10"	9'6"	12'0"	10'10"	9'6"	9'3"	8'5"	7'4"	9'3"	8'5"	7'4"	9'3"	8'5"	7'4"	9'3"	8'5"	7'4"			
250S162-43	33	14'11"	13'6"	11'10"	14'11"	13'6"	11'10"	13'0"	11'10"	10'4"	13'0"	11'10"	10'4"	10'1"	9'2"	8'0"	10'1"	9'2"	8'0"	10'1"	9'2"	8'0"	10'1"	9'2"	8'0"			
350S125-18	33	9'2"	8'6"	7'6"	12'6"	11'5"	9'10"	8'2"	7'6"	6'8"	10'11"	9'10"	8'5"	6'6"	5'11"	5'3"	8'2"	7'2"	6'0"	6'6"	5'11"	5'3"	8'2"	7'2"	6'0"			
350S125-27	33	10'6"	9'9"	8'9"	14'10"	13'9"	12'4"	9'5"	8'9"	7'9"	13'2"	12'0"	10'6"	7'7"	7'0"	6'4"	10'2"	9'2"	7'9"	7'7"	7'0"	6'4"	10'2"	9'2"	7'9"			
350S125-30	33	10'11"	10'1"	9'0"	15'4"	14'2"	12'0"	9'9"	9'0"	8'1"	13'7"	12'4"	10'10"	7'11"	7'3"	6'6"	10'6"	9'7"	8'3"	10'6"	9'7"	8'3"	10'6"	9'7"	8'3"			
350S125-33	33	11'4"	10'5"	9'4"	16'0"	14'8"	12'9"	10'1"	9'4"	8'4"	14'1"	12'9"	11'2"	8'2"	7'7"	6'9"	10'10"	9'11"	8'8"	10'10"	9'11"	8'8"	10'10"	9'11"	8'8"			
350S125-43	33	12'7"	11'7"	10'3"	17'6"	15'11"	13'11"	11'2"	10'3"	9'2"	15'4"	13'11"	12'2"	8'11"	8'3"	7'5"	11'10"	10'9"	9'5"	11'10"	10'9"	9'5"	11'10"	10'9"	9'5"			
350S137-27	33	11'11"	11'0"	9'11"	15'10"	14'5"	12'7"	10'8"	9'11"	8'10"	13'10"	12'7"	11'0"	8'8"	8'1"	7'3"	10'8"	9'9"	8'6"	10'8"	9'9"	8'6"	10'8"	9'9"	8'6"			
350S137-30	33	12'4"	11'5"	10'2"	16'4"	14'10"	13'0"	11'0"	10'2"	9'2"	14'3"	13'0"	11'4"	8'11"	8'4"	7'5"	11'0"	10'0"	8'9"	11'0"	10'0"	8'9"	11'0"	10'0"	8'9"			
350S137-33	33	12'9"	11'9"	10'7"	16'11"	15'4"	13'5"	11'5"	10'7"	9'5"	14'9"	13'5"	11'9"	9'3"	8'7"	7'8"	11'5"	10'4"	9'1"	11'5"	10'4"	9'1"	11'5"	10'4"	9'1"			
350S137-43	33	14'1"	13'0"	11'7"	18'4"	16'8"	14'7"	12'7"	11'7"	10'4"	16'1"	14'7"	12'9"	10'1"	9'4"	8'4"	12'5"	11'3"	9'10"	12'5"	11'3"	9'10"	12'5"	11'3"	9'10"			
350S162-33	33	14'6"	13'5"	12'0"	17'9"	16'1"	14'1"	13'0"	12'0"	10'10"	15'6"	14'1"	12'3"	10'7"	9'10"	8'10"	11'11"	10'10"	9'6"	11'11"	10'10"	9'6"	11'11"	10'10"	9'6"			
350S162-43	33	16'0"	14'9"	13'2"	19'3"	17'6"	15'3"	14'3"	13'2"	11'9"	16'10"	15'3"	13'4"	11'6"	10'8"	9'7"	13'0"	11'10"	10'4"	13'0"	11'10"	10'4"	13'0"	11'10"	10'4"			
362S125-18	33	9'3"	8'7"	7'7"	12'7"	11'7"	10'0"	8'3"	7'7"	6'9"	11'1"	10'0"	8'6"	6'7"	6'0"	5'4"	8'3"	7'4"	6'1"	6'7"	6'0"	5'4"	8'3"	7'4"	6'1"			
362S125-27	33	10'7"	9'10"	8'10"	15'0"	13'10"	12'4"	9'6"	8'10"	7'10"	13'5"	12'4"	10'9"	7'8"	7'1"	6'4"	10'5"	9'4"	7'11"	10'5"	9'4"	7'11"	10'5"	9'4"				
362S125-30	33	11'0"	10'2"	9'1"	15'6"	14'4"	12'9"	9'10"	9'1"	8'2"	13'10"	12'9"	11'1"	8'0"	7'4"	6'7"	10'10"	9'10"	8'5"	10'10"	9'10"	8'5"	10'10"	9'10"	8'5"			
362S125-33	33	11'5"	10'6"	9'5"	16'2"	14'10"	13'2"	10'2"	9'5"	8'5"	14'4"	13'2"	11'6"	8'3"	7'7"	6'10"	11'2"	10'2"	8'10"	11'2"	10'2"	8'10"	11'2"	10'2"	8'10"			
362S125-43	33	12'8"	11'8"	10'4"	17'9"	16'4"	14'4"	11'3"	10'5"	9'3"	15'9"	14'4"	12'6"	9'0"	8'4"	7'6"	12'2"	11'1"	9'8"	12'2"	11'1"	9'8"	12'2"	11'1"	9'8"			
362S137-27	33	12'0"	11'1"	10'0"	16'3"	14'9"	12'11"	10'9"	10'0"	8'11"	14'3"	12'11"	11'3"	8'9"	8'1"	7'4"	11'0"	10'0"	8'9"	11'0"	10'0"	8'9"	11'0"	10'0"	8'9"			
362S137-30	33	12'5"	11'6"	10'3"	16'10"	15'3"	13'4"	11'1"	10'3"	9'3"	14'8"	13'4"	11'8"	9'0"	8'4"	7'6"	11'4"	10'4"	9'0"	11'4"	10'4"	9'0"	11'4"	10'4"	9'0"			
362S137-33	33	12'10"	11'11"	10'8"	17'4"	15'9"	13'9"	11'6"	10'8"	9'6"	15'2"	13'9"	12'0"	9'4"	8'8"	7'9"	11'9"	10'8"	9'4"	11'9"	10'8"	9'4"	11'9"	10'8"	9'4"			
362S137-43	33	14'3"	13'1"	11'8"	18'11"	17'2"	15'0"	12'8"	11'8"	10'5"	16'6"	15'0"	13'1"	10'3"	9'5"	8'5"	12'9"	11'7"	10'1"	12'9"	11'7"	10'1"	12'9"	11'7"	10'1"			
362S162-33	33	14'8"	13'7"	12'2"	18'2"	16'6"	14'5"	13'1"	12'2"	10'11"	15'11"	14'5"	12'7"	10'8"	9'11"	8'10"	12'3"	11'2"	9'9"	12'3"	11'2"	9'9"	12'3"	11'2"	9'9"			
362S162-43	33	16'2"	14'10"	13'3"	19'10"	18'0"	15'9"	14'5"	13'3"	11'11"	17'3"	15'9"	13'9"	11'8"	10'9"	9'8"	13'4"	12'2"	10'7"	13'4"	12'2"	10'7"	13'4"	12'2"	10'7"			
400S125-18	33	9'6" e	8'9" e	7'10" e	13'0" e	11'11" e	10'5" e	8'6" e	7'10" e	6'11" e	11'6" e	10'5" e	8'11" e	6'9" e	6'2" e	5'6" e	8'7" e	7'8" e	6'5" e	6'9" e	6'2" e	5'6" e	8'7" e	7'8" e	6'5" e			
400S125-27	33	10'11"	10'1"	9'0"	15'5"	14'3"	12'9"	9'9"	9'0"	8'1"	13'9"	12'9"	11'2"	7'11"	7'3"	6'6"	10'10"	9'9"	8'3"	10'10"	9'9"	8'3"	10'10"	9'9"	8'3"			
400S125-30	33	11'3"	10'5"	9'4"	15'11"	14'8"	13'2"	10'1"	9'4"	8'4"	14'3"	13'2"	11'9"	8'2"	7'7"	6'9"	11'5"	10'4"	8'9"	11'5"	10'4"	8'9"	11'5"	10'4"	8'9"			
400S125-33	33	11'9"	10'10"	9'8"	16'7"	15'3"	13'7"	10'6"	9'8"	8'8"	14'9"	13'7"	12'2"	8'6"	7'10"	7'0"	11'11"	10'11"	9'4"	11'11"	10'11"	9'4"	11'11"	10'11"	9'4"			
400S125-43	33	13'0"	11'11"	10'8"	18'2"	16'9"	15'0"	11'7"	10'8"	9'6"	16'3"	15'0"	13'5"	9'3"	8'7"	7'8"	13'1"	12'0"	10'5"	13'1"	12'0"	10'5"	13'1"	12'0"	10'5"			
400S137-27	33	12'4"	11'5"	10'3"	17'7"	16'0"	13'11"	11'1"	10'3"	9'2"	15'4"	13'11"	12'2"	9'0"	8'4"	7'6"	11'10"	10'9"	9'5"	11'10"	10'9"	9'5"	11'10"	10'9"	9'5"			
400S137-30	33	12'9"	11'9"	10'7"	18'1"	16'6"	14'5"	11'5"	10'7"	9'6"	15'10"	14'5"	12'7"	9'3"	8'7"	7'8"	12'3"	11'1"	9'9"	12'3"	11'1"	9'9"	12'3"	11'1"	9'9"			
400S137-33	33	13'3"	12'2"	10'11"	18'9"	17'0"	14'11"	11'10"	10'11"	9'9"	16'5"	14'11"	13'0"	9'7"	8'10"	7'11"	12'8"	11'6"	10'1"	12'8"	11'6"	10'1"	12'8"	11'6"	10'1"			
400S137-43	33	14'7"	13'5"	12'0"	20'5"	18'6"	16'2"	13'0"	12'0"	10'9"	17'10"	16'2"	14'2"	10'6"	9'8"	8'8"	13'9"	12'6"	10'11"	13'9"	12'6"	10'11"	13'9"	12'6"	10'11"			
400S162-33	33	15'0"	13'11"	12'5"	19'8"	17'10"	15'7"	13'5"	12'5"	1																		