

SPC FLOOR DESIGN STANDARD AUTHORIZATION

Engineering Description	Code Minimum	Industry Standard	SPC Limits
Joists Deflection Limits:			
Live Load	L/360	L/480	3/8" MAX
Total Load	L/240	N/A	5/8" MAX
Beam Deflection Limits			
Live Load	L/360	L/360	3/8" MAX
Total Load	L/240	L/240	5/8" MAX
Beam Supporting Two Floors:			
Live Load	L/360	L/360	3/16" MAX
Total Load	L/240	L/240	3/8" MAX
Span Limit:			
Span to Depth	20:1	20:1	17.5:1
Span Limit:			
Joist Depth			
11-7/8"	20'-0"	20'-0"	17'-5"
14"	23'-3"	23'-3"	20'-5"
16"	26'-0"	26'-0"	23'-3"

CUSTOMER PREFERENCE (INITIAL) x _____ x _____ x _____

Additional Loads to Consider

Tile Floor - 13 psf (1" thick)	_____	Entertainment Center - 50 plf	_____
Kitchen Cabinets - 25 plf	_____	Fireplace Over Span - varies	_____
Granite Counter Tops - 25 plf	_____	Master Bath Fixtures - 20 psf	_____
Dining Room Hutch - 50 plf	_____	Master Bedroom Furn - 50 plf	_____
Washer/Dryer - 25 plf	_____	Partition walls - 50 plf	_____
HVAC Holes	_____		

SPC REP / DATE

CUSTOMER AUTHORIZATION/DATE