



APPROVED BY *[Signature]*
 DATE *10/18/16*

1 1/2" HAT SECTION
 MATERIAL 16 GA. (0.06)
 FLAT PATTERN 6.64"

-Tolerance- Except as Noted		MARION MANUFACTURING, INC. 201 S. COBBLE MARION KANSAS	
Customer: MARION MANUFACTURING, INC.		Title: 1 1/2" HAT SECTION	
FRACT. : ±1/32		Drawn By: AR	
L : ±3"		Date: 4-15	
File No. 1 1/2 HAT		Scale: 1=1	
		Sheet: 1	
		DET. # 1 1/2 HAT	

B1.5" MEZZANINE DECK ALLOWABLE UNIFORM TOTAL LOAD (PSF)

NUMBER OF SPANS	GAGE	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"
		SINGLE									
22	284	209	180	126	95	74					
20	362	259	198	157	120	92	73				
18	400	352	270	213	167	128	101	81			
16	400	400	342	269	212	162	127	102	84	70	
22	270	211	182	128	105	87	73				
20	349	250	200	159	129	107	93	79			
18	400	348	289	219	174	144	123	104	90		
16	400	400	344	273	222	183	154	131	113	99	
22	307	259	200	166	130	108	94				
20	400	319	247	197	160	133	116	99			
18	400	400	331	264	215	179	153	131	113		
16	400	400	400	340	277	229	193	164	141	123	
DOUBLE											
TRIPLE											

Example Calculation:

B1.5" Mezzanine Deck is supported by four joists (three spans) spaced 66" apart. What would be the lightest gage of B1.5" Mezzanine Deck allowable to achieve 125 pounds per square foot (PSF) assuming a uniform load?

Step 1: Locate the column labeled 66"

Step 2: Match the 66" column with the rows pertaining to three spans

Step 3: Find the lowest value above 125 PSF and match the gage

Solution: 133 PSF = 20GA B1.5" Mezzanine Deck