Dimensional Lumber Header Spans

Truss type: **NON-STORAGE**

Commodore Homes

Truss load: 1000 #

Truss # HMC03401

MODEL: HZ106-A1

Truss spacing : 24 "

Floor width per section : 156 "

T Load =	825 plf	Δ TL	240	C_d = 1.15
L Load =	635 plf	Δ LL	360	C_H = 1

Lumber species: SPF

Member	No.	Sp / Grade	Width in	Depth in	F_b psi	F_v psi	E psi	Flat or Edge	I_x in^4	S_x in^3	C_r	C_f x C_{fu}	Max Span
1	3	#2	1.5	5.5	875	135	1400000	E	62.39	22.69	1.15	1.3	5 ft - 3 in
2	3	#2	1.5	7.25	875	135	1400000	E	142.90	39.42	1.15	1.2	6 ft - 7 in
3													
4													
5													
6													
7													
8													
9													
10													

Max Spans

Member	F_b' psi	F_v' psi	M in*lb	V lb	Moment in	Shear in	Δ TL in	Δ LL in	Max Span
1	1504	155	34130	2562	63	75	74	71	5 ft - 3 in
2	1389	155	54742	3377	79	98	98	93	6 ft - 7 in
3									
4									
5									
6									
7									
8									
9									
10									

STATE OF MAINE
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19835
REGISTERED PROFESSIONAL ENGINEER
03/19/2014