



Client PHINNEY LUMBER

Shipping PORTLAND, MAINE

Project Name: TOMPSON

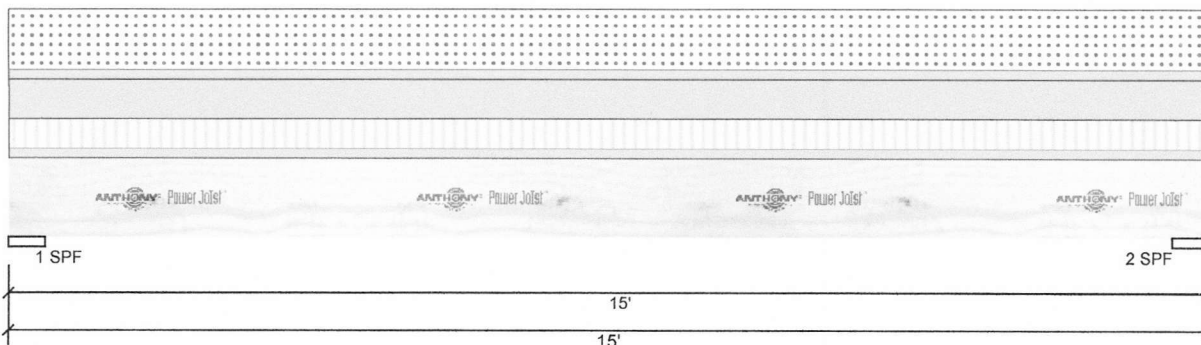
Job#:

Quantity 1

Description:
CARRIES 2ND
FLOOR, KNEEWALL
AND ROOF

BEAM Anthony 30F Power Beam 5.500" X 11.875" - PASSED

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Designer: JL



Type: Girder	Application: Floor
Moisture Condition: Dry	Design Method: ASD
Deflection LL: 360	Building Code: IBC 2012 / IRC
Deflection TL: 240	Load Sharing: No
Importance: Normal	Wet Use: No
Temperature: Temp <= 100°F	Deck: Not Checked
	Vibration: Not Checked

Reactions

Brg	Live	Dead	Snow	Wind	Const
1	2375	1760	3248	0	0
2	2375	1760	3248	0	0

Bearings

Bearing	Input Length	In Analysis	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF 5.500"	2.750"	93%	1760 / 4217	5977	L	D+0.75(L+S)	
2 - SPF 5.500"	2.750"	93%	1760 / 4217	5977	L	D+0.75(L+S)	

Analysis	Actual	Location	Allowed	Capacity	Load Comb.	Ld. Case
Moment	21194 ft-lb	7'6"	36331 ft-lb	0.583 (58%)	D+0.75(L+S)	L
Shear	5104 lb	1'4"	15022 lb	0.340 (34%)	D+0.75(L+S)	L
LL Defl inch	0.343 (L/501)	7'6 1/16"	0.477 (L/360)	0.720 (72%)	0.75(L+S)	L
TL Defl inch	0.485 (L/354)	7'6 1/16"	0.716 (L/240)	0.680 (68%)	D+0.75(L+S)	L

Design OK.
Design Notes
1 Girders are designed to be supported on the bottom edge only.
2 Top unbraced.
3 Bottom unbraced.

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Const.	Comments
1	Uniform		11-0-0	Top	10 PSF	30 PSF	0 PSF	0 PSF	0 PSF	
2	Uniform			Top	40 PLF	0 PLF	0 PLF	0 PLF	0 PLF	
3	Uniform		7-6-0	Top	10 PSF	0 PSF	60 PSF	0 PSF	0 PSF	
	Self Weight				18 PLF					

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