



## HISTORIC PRESERVATION COMMISSION

Isiah Leggett  
County Executive

William Kirwan  
Chairman

Date: December 13, 2018

### MEMORANDUM

TO: Diane Schwartz Jones  
Department of Permitting Services

FROM: Dan Bruechert  
Historic Preservation Section  
Maryland-National Capital Park & Planning Commission Historic

SUBJECT: Area Work Permit: #857423 - Rear Porch Addition

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The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **Approved** at the December 5, 2018 Historic Preservation Commission (HPC) meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Tom Defea and Maria Kreiser  
Address: 7303 Willow Ave., Takoma Park

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Dan Bruechert at 301.563.3400 or [dan.bruechert@montgomeryplanning.org](mailto:dan.bruechert@montgomeryplanning.org) to schedule a follow-up site visit.



*Kreiser / DeFe*

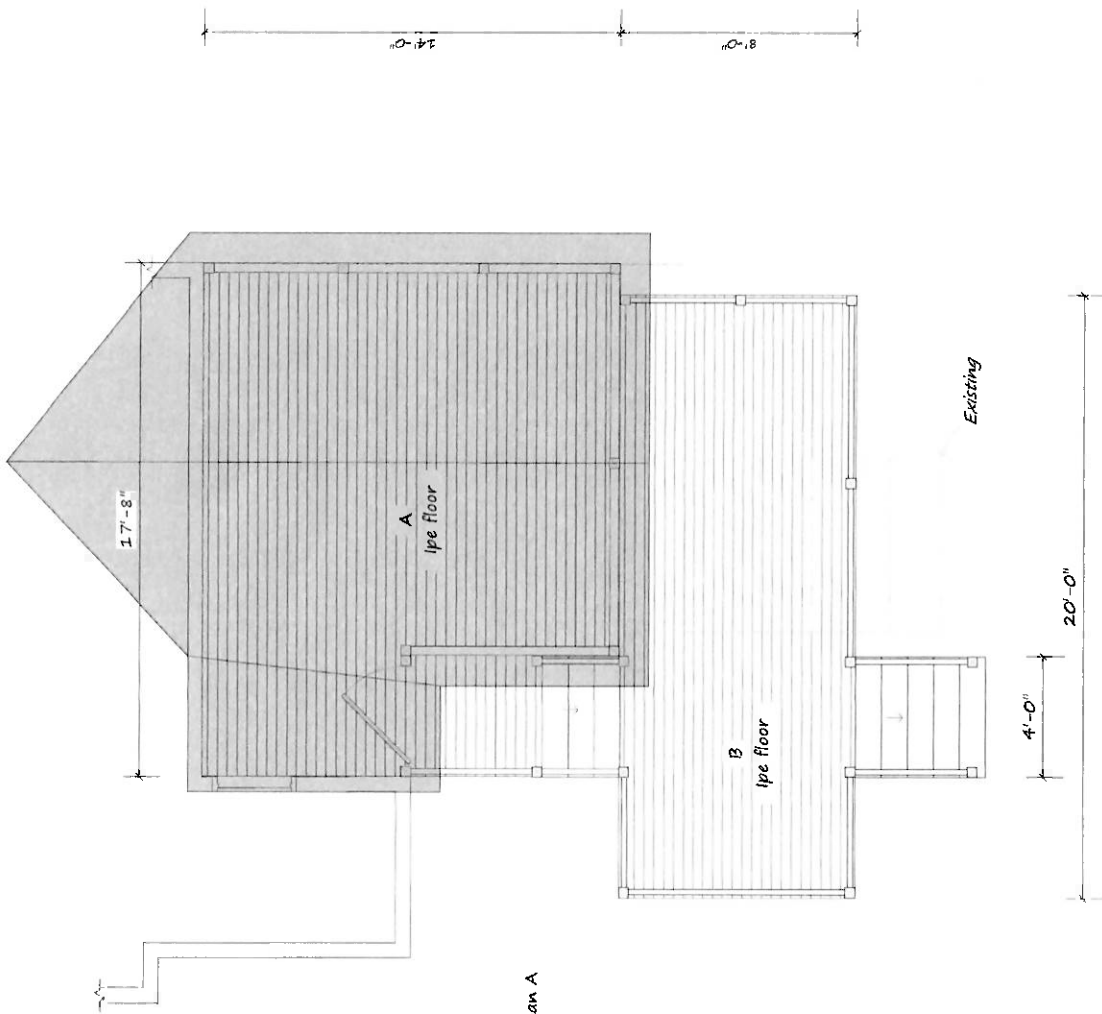
Code 2015 R507

12/21/2018

Kreiser / DeFe  
 7303 Willow Ave  
 Tacoma Park, MD 20912

Scale 1/4"=1'

*Scope*  
 Remove existing deck, porch, and steps. Install new porch and deck with ipe hardwood flooring and treated rail with ipe cap



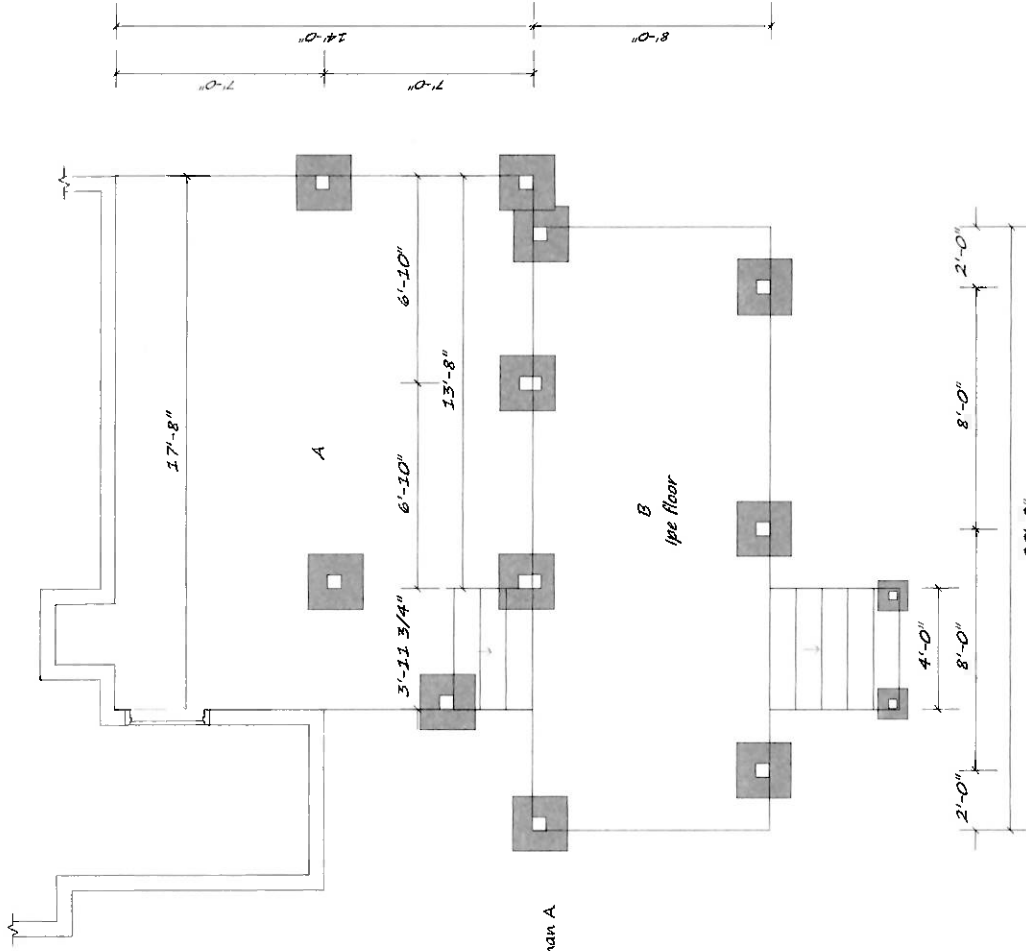
A - 4" below foyer  
 B - Approx 28" lower than A

- Page 2 Footing*
- Page 3 Floor Frame*
- Page 4 Roof Frame*
- Page 5 Side view Framing*
- Page 6 Side view elevation*
- Page 7 Existing deck and porch*
- Page 8 Beam calcs*

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 Historic Preservation Commission

**REVIEWED**  
 By Dan.Bruechert at 10:20 am, Dec 13, 2018

Footings see IRC, R403 and R507.8.1, 1,500 lb soil Use 3,000 psi concrete



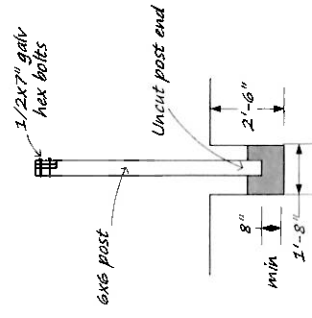
Footings min 8" concrete below post  
 20"x20"x30"  
 12"x12"x30"

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*[Signature]*

**REVIEWED**  
 By Dan Bruechert at 10:20 am, Dec 13, 2018

A - 4" below footer  
 B - Approx 2.8" lower than A



Footings see IRC, R403 and R507.8.1, 1,500 lb soil Use 3,000 psi concrete

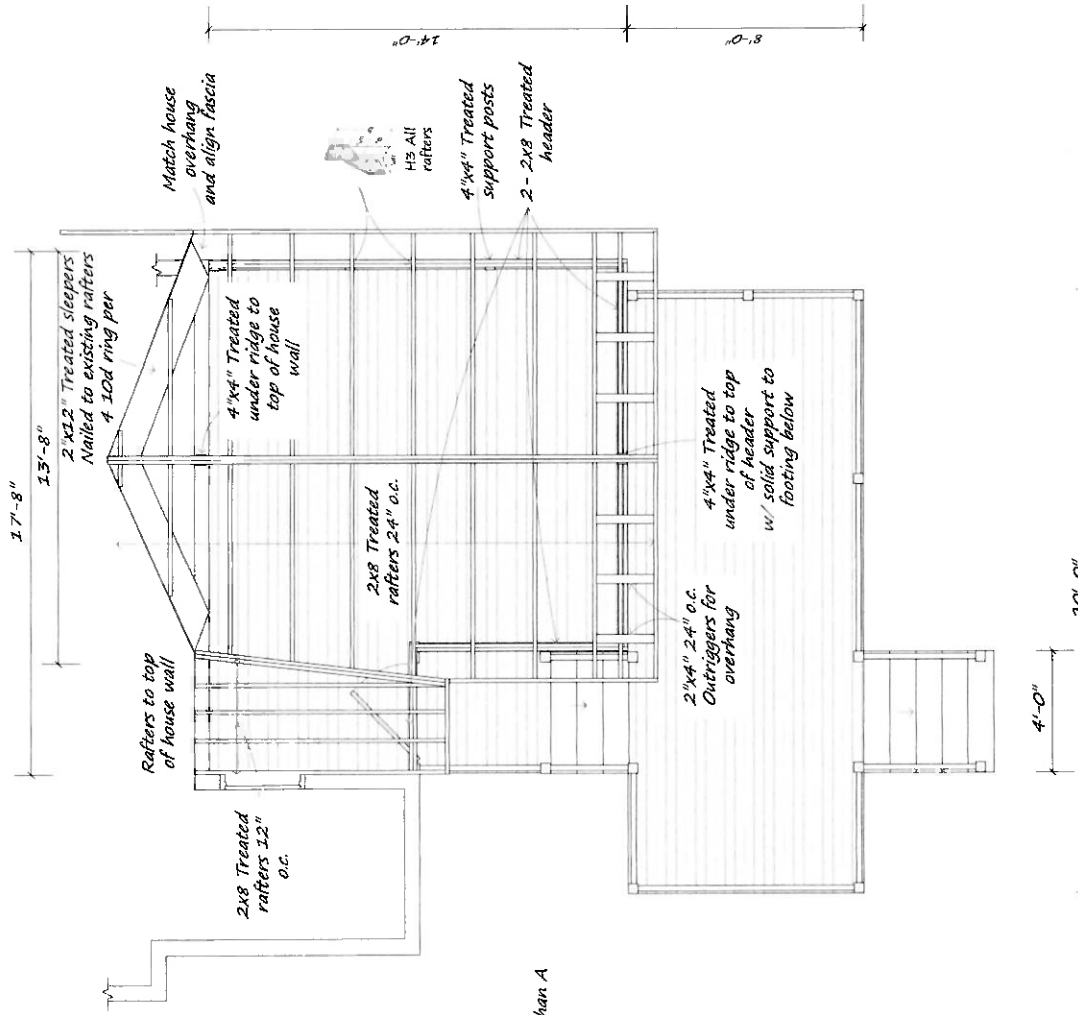
Mix concrete in clean receptacle then place in footing DO NOT MIX IN FOOTING





**ECONOMY  
CRAFTSMEN  
SERVICES**  
7331 Blanchard Drive  
Derwood, MD 20855  
301-905-1365

Roof see irc 802 30 lb snow 115 mph wind



Fiberglass shingles over  
15lb felt over 5/8  
T111

Match house  
overhang  
and align fascia

1/2" All  
rafters

4x4" Treated  
support posts

2 - 2x8 Treated  
header

2x12" Treated sleepers  
Nailed to existing rafters  
4 10d ring per

4x4" Treated  
under ridge to  
top of house  
wall

2x8 Treated  
rafters 24" o.c.

4x4" Treated  
under ridge to top  
of header  
w/ solid support to  
footing below

Rafters to top  
of house wall

2x8 Treated  
rafters 12"  
o.c.

2x4" 24" o.c.  
Outriggers for  
overhang

4'-0"

20'-0"

A - 4" below Foyer  
B - Approx 2.8" lower than A

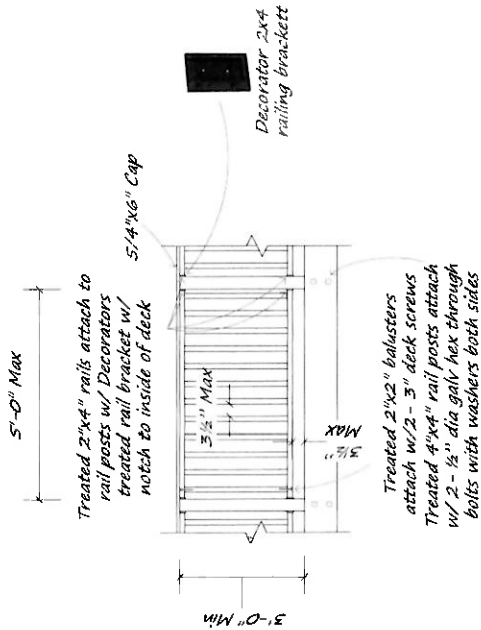
Roof frame  
Page 4 of 8

Scale 1/4"=1'

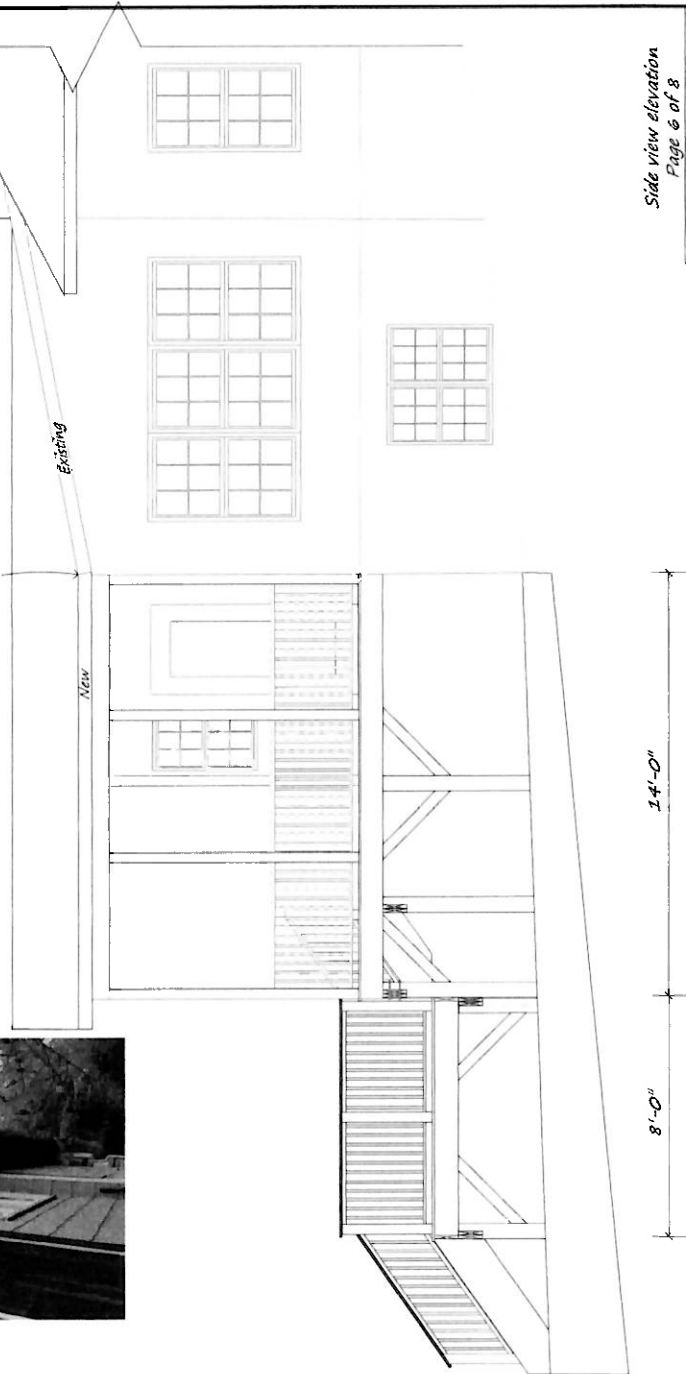
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By Dan.Bruechert at 10:20 am, Dec 13, 2018





Align new overhang and fascia with existing overhang and fascia



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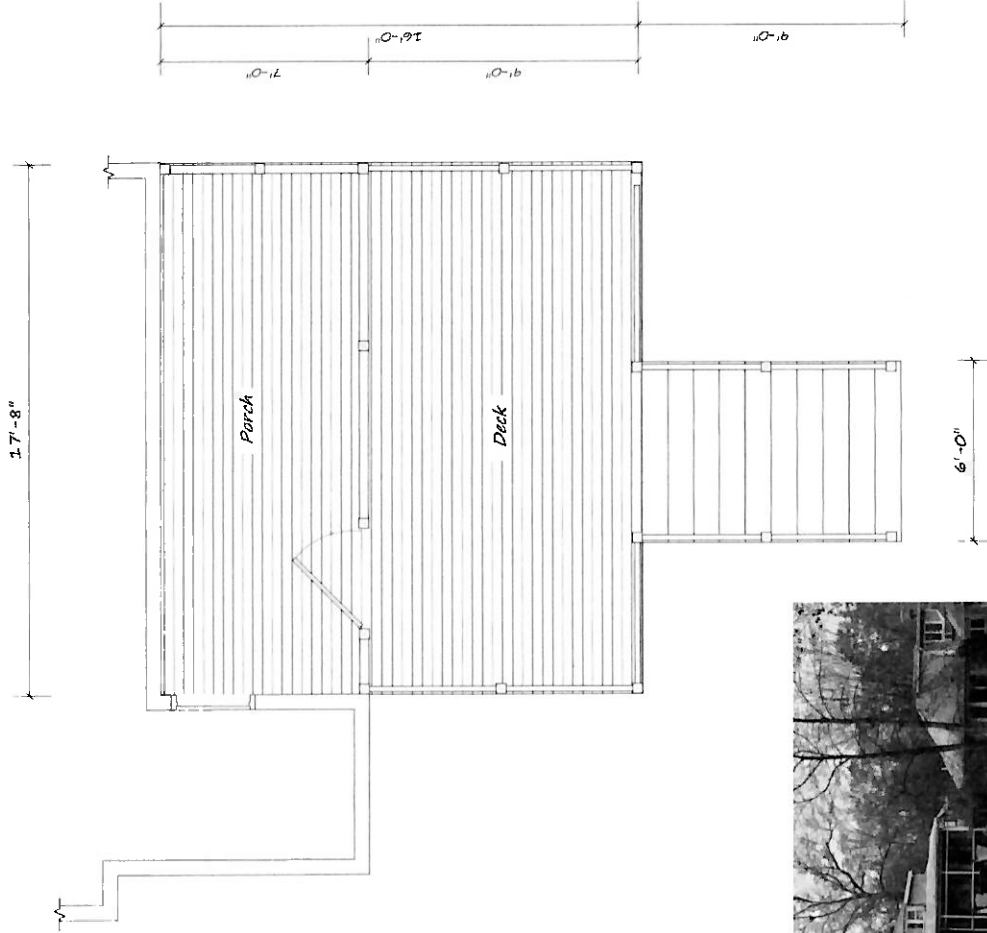
**REVIEWED**  
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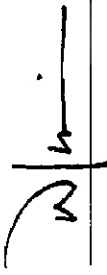
7331 Blanchard Drive  
Danwood, MD 20855  
301-905-2365



*Existing porch, deck  
and steps*



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By Dan Bruechert at 10:20 am, Dec 13, 2018

*Existing porch and deck  
Page 7 of 8*

Scale 1/4"=1'





7331 Blanchard Drive  
 Denwood, MD 20855  
 301-905-7365

Project: kreiser roof valley  
 Span 10' Tributary 7"  
 Live load 30 lbs sq ft. Dead load 10 lbs sqft.

Selection (2) 1-3/4x 7-1/4 1.9E TJ MicroIam LVL Lu = 0.0 Ft

Conditions NDS 2012  
 Min Bearing Area R1= 1.9 in<sup>2</sup> R2= 1.9 in<sup>2</sup> (1.5) DL Defl= 0.12 in  
 Data Beam Span 100 Reaction 1 LL1050 # Reaction 2 LL1050 #  
 Beam Wt per Ft 6.52 Reaction 1 TL1433 # Reaction 2 TL1433 #  
 Bm Wt Included 6.5 Maximum V 1433 #  
 Max Moment 3581 Max V (Reduced) 1259 #  
 TL Max Defl L / 240 LL Max Defl L / 360  
 TL Actual Defl L / 347 LL Actual Defl L / 537  
 Attributes Section (in<sup>2</sup>) Shear (in<sup>2</sup>) TL Defl (in) LL Defl  
 Actual 30.66 2538 0.35 0.22  
 Critical 15.44 6.63 0.30 0.33  
 Status OK OK OK OK  
 Ratio 50% 26% 69% 67%  
 Fb (psi) Fv (psi) E (psi x mil) Fc (psi)  
 Values Reference Values 2600 285 1.9 750  
 Adjusted Values 2784 285 1.9 750  
 Adjustments CF Size Factor 1.071  
 Cd Duration 1.00 1.00  
 Cy Repetitive 1.00  
 Ch Shear Stress N/A  
 Cm Wet Use 1.00 1.00 1.00 1.00  
 Cl Stability 1.0000 Rb = 0.00 Le = 0.00 Ft

Loads Uniform TL: 280 = A Uniform LL: 210

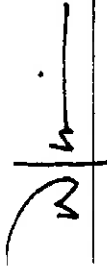
Project: kreiser roof ridge beam  
 Span 14' Tributary 7"  
 Live load 30 lbs sq ft. Dead load 10 lbs sqft.

Selection (2) 1-3/4x 11-1/4 1.9E TJ MicroIam LVL Lu = 0.0 Ft

Conditions NDS 2012  
 Min Bearing Area R1= 2.7 in<sup>2</sup> R2= 2.7 in<sup>2</sup> (1.5) DL Defl= 0.13 in  
 Data Beam Span 140 Reaction 1 LL1470 # Reaction 2 LL1470 #  
 Beam Wt per Ft 10.12 Reaction 1 TL2031 # Reaction 2 TL2031 #  
 Bm Wt Included 142 Maximum V 2031 #  
 Max Moment 7108 Max V (Reduced) 1759 #  
 TL Max Defl L / 240 LL Max Defl L / 360  
 TL Actual Defl L / 465 LL Actual Defl L / 731  
 Attributes Section (in<sup>2</sup>) Shear (in<sup>2</sup>) TL Defl (in) LL Defl  
 Actual 73.83 5838 0.36 0.23  
 Critical 32.52 926 0.70 0.47  
 Status OK OK OK OK  
 Ratio 44% 24% 52% 49%  
 Fb (psi) Fv (psi) E (psi x mil) Fc (psi)  
 Values Reference Values 2600 285 1.9 750  
 Adjusted Values 2623 285 1.9 750  
 Adjustments CF Size Factor 1.009  
 Cd Duration 1.00 1.00  
 Cy Repetitive 1.00  
 Ch Shear Stress N/A  
 Cm Wet Use 1.00 1.00 1.00 1.00  
 Cl Stability 1.0000 Rb = 0.00 Le = 0.00 Ft

Loads Uniform TL: 280 = A Uniform LL: 210

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**REVIEWED**  
 By Dan Bruechert at 10:19 am, Dec 13, 2018