Client:

Project:

84 Lumber-Fayetteville #2307 **CL2862 GL CP**

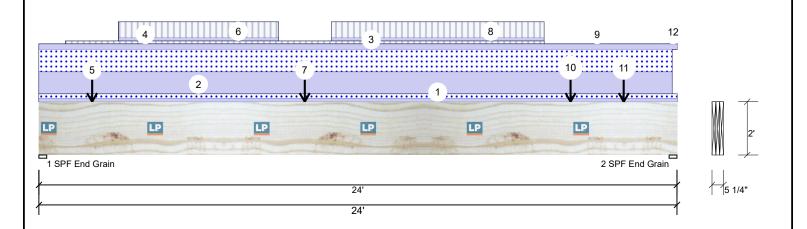
Date: 2/3/2020 Input by:

Kyle Militzer Job Name: CL2862 GL CP Project #: **CL2862 GL CP**

FB1-A LP-LVL 2900Fb-2.0E 1.750" X 24.000" 3-Ply - PASSED

Address:

Level: 2nd Flr



Type: Application: Floor Plies: 3 Design Method: ASD Moisture Condition: Dry **Building Code: IBC/IRC 2015** Deflection LL: 360 Load Sharing: Yes Deflection TL: 240 Deck: Not Checked Importance: Normal Temp <= 100°F Temperature: General Load Floor Live: 40 PSF 10 PSF Dead:

| Δ | na | lvcic | Racii | ltc |
|---|----|-------|-------|-----|

Member Information

| Analysis | Actual | Location | Allowed | Capacity | Comb. | Case |
|--------------|---------------|--------------|---------------|-------------|-------------|------|
| Moment | 79238 ft-lb | 12' 1/8" | 131939 ft-lb | 0.601 (60%) | D+0.75(L+S) | L |
| Shear | 11509 lb | 2'2 5/8" | 27531 lb | 0.418 (42%) | D+0.75(L+S) | L |
| LL Defl inch | 0.337 (L/839) | 11'11 13/16" | 0.785 (L/360) | 0.430 (43%) | 0.75(L+S) | L |
| TL Defl inch | 0.727 (L/389) | 11'11 15/16" | 1.178 (L/240) | 0.620 (62%) | D+0.75(L+S) | L |

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.390", Long Term = 0.585"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Multiple plies must be fastened together as per manufacturer's details.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 4' o.c.
- 7 Bottom braced at bearings.

| Reactions | PATTERNED | lb (Uplift) |
|-----------|------------------|-------------|
|-----------|------------------|-------------|

| Brg | Live | Dead | Snow | Wind | Const |
|-----|-------------|------|------|------|-------|
| 1 | 2934 (-581) | 7313 | 5316 | 0 | 0 |
| 1 2 | 2757 (-425) | 7251 | 5242 | 0 | 0 |

Bearings

| ı | -cug. | • | | | | | | |
|---|-------------------------|--------|------|--------------|-------|----------|-------------|--|
| ı | Bearing | Length | Сар. | React D/L lb | Total | Ld. Case | Ld. Comb. | |
| | 1 - SPF End Grain | 3.500" | 98% | 7313 / 6188 | 13500 | L | D+0.75(L+S) | |
| | 2 - SPF End Grain | 3.500" | 96% | 7251 / 5999 | 13250 | L | D+0.75(L+S) | |

| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments |
|----|---------------|------------------|------------|----------|----------|---------|-----------|----------|-------------|------------------|
| 1 | Part. Uniform | 0-0-0 to 24-0-0 | | Тор | 66 PLF | 0 PLF | 66 PLF | 0 PLF | 0 PLF | |
| 2 | Part. Uniform | 0-0-0 to 23-9-11 | | Тор | 377 PLF | 0 PLF | 377 PLF | 0 PLF | 0 PLF | |
| 3 | Part. Uniform | 0-0-0 to 24-0-0 | | Тор | 86 PLF | 0 PLF | 0 PLF | 0 PLF | 0 PLF | Wall Self Weight |
| 4 | Part. Uniform | 1-0-0 to 19-0-0 | | Far Face | 0 PLF | -55 PLF | 0 PLF | 0 PLF | 0 PLF | |
| 5 | Point | 2-0-0 | | Far Face | 104 lb | 534 lb | 0 lb | 0 lb | 0 lb | J2 |
| 6 | Part. Uniform | 3-0-0 to 9-0-0 | | Far Face | 53 PLF | 270 PLF | 0 PLF | 0 PLF | 0 PLF | |
| 7 | Point | 10-0-0 | | Far Face | 24 lb | 540 lb | 0 lb | 0 lb | 0 lb | J2 |

Continued on page 2...

Notes

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Manufacturer Info

Louisiana-Pacific Corp 414 Union Street, Suite 2000 Nashville, TN 37219 (888) 820-0325

www.lpcorp.com APA: PR-L280, ICC-ES: ESR-2403, LADBS: RR-25783, Florida: FL15228 U.S. Lumber 2160 Satellite Blvd., Suite 450, GA U.S.A 888-613-5078



Page 1 of 2



Client: 84 Lumber-Fayetteville #2307

Project: CL2862 GL CP

Address:

Date: 2/3/2020 Input by: Kyle Militzer Job Name: CL2862 GL CP

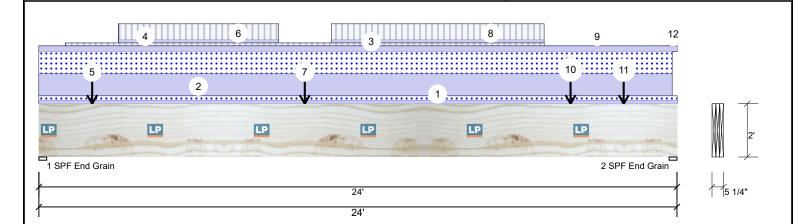
Project #: CL2862 GL CP

Level: 2nd Flr

FB1-A LP-LVL 2900Fb-2.0E

1.750" X 24.000"

3-Ply - PASSED



| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments |
|----|---------------|------------------|------------|----------|----------|---------|-----------|----------|-------------|----------|
| 8 | Part. Uniform | 11-0-0 to 19-0-0 | | Far Face | 53 PLF | 270 PLF | 0 PLF | 0 PLF | 0 PLF | |
| 9 | Part. Uniform | 19-0-0 to 23-0-0 | | Far Face | 0 PLF | -4 PLF | 0 PLF | 0 PLF | 0 PLF | |
| 10 | Point | 20-0-0 | | Far Face | 102 lb | 417 lb | 0 lb | 0 lb | 0 lb | J7 |
| 11 | Point | 22-0-0 | | Far Face | 99 lb | 402 lb | 0 lb | 0 lb | 0 lb | J7 |
| 12 | Tie-In | 23-8-8 to 24-0-0 | 1-6-7 | Тор | 10 PSF | 40 PSF | 0 PSF | 0 PSF | 0 PSF | |
| | Self Weight | | | | 36 PLF | | | | | |

Notes

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Page 2 of 2







Client: 84 Lumber-Fayetteville #2307 Project:

CL2862 GL CP

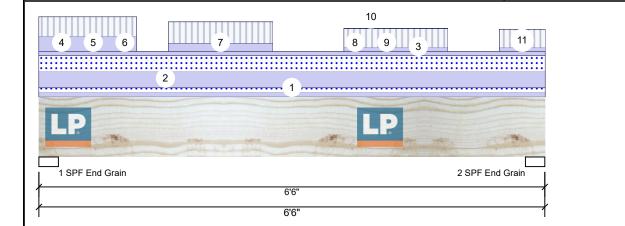
Date: 2/3/2020 Input by: Kyle Militzer

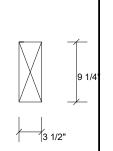
Job Name: CL2862 GL CP Project #: **CL2862 GL CP**

3.500" X 9.250" - PASSED HD1-B **LP-LSL 1.55E**

Address:

Level: 2nd Flr





Page 1 of 2

Member Information Type: Plies: Moisture Condition: Dry Deflection LL: 360 Deflection TL: 240 Importance: Normal Temperature: Temp <= 100°F General Load

40 PSF

10 PSF

Application: Floor Design Method: **Building Code: IBC/IRC 2015** Load Sharing: No Deck: Not Checked

Reactions PATTERNED Ib (Uplift) Brg Live Dead Snow Wind Const 1146 (0) 2563 1576 0 0 1 943 (-1) 2216 1576 0 0 2

Analysis Results

Floor Live:

Dead:

| Analysis | Actual | Location | Allowed | Capacity | Comb. | Case |
|--------------|----------------|-----------|---------------|-------------|-------------|------|
| Moment | 6053 ft-lb | 3' 15/16" | 11647 ft-lb | 0.520 (52%) | D+0.75(L+S) | L |
| Shear | 3006 lb | 11 1/2" | 10177 lb | 0.295 (30%) | D+0.75(L+S) | L |
| LL Defl inch | 0.065 (L/1133) | 3'2 9/16" | 0.204 (L/360) | 0.320 (32%) | 0.75(L+S) | L |
| TL Defl inch | 0.143 (L/515) | 3'2 1/2" | 0.306 (L/240) | 0.470 (47%) | D+0.75(L+S) | L |

Bearings

| Bearing Length | Cap. React D/L lb | Total Ld. Case | Ld. Comb. |
|--------------------------------|-------------------|----------------|-------------|
| 1 - SPF 3.000" End Grain | 50% 2563 / 2042 | 4605 L | D+0.75(L+S) |
| 2 - SPF 3.000" End Grain | 45% 2216 / 1890 | 4106 L | D+0.75(L+S) |

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.078", Long Term = 0.117"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings

| o bottom | bracca at bearings. | | | | | | | | | | |
|--------------|---------------------|----------------|------------|------|----------|---------|-----------|----------|-------------|------------------|--|
| ID | Load Type | Location - | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments | |
| 1 | Part. Uniform | 0-0-0 to 6-6-0 | | Тор | 108 PLF | 0 PLF | 108 PLF | 0 PLF | 0 PLF | | |
| 2 | Part. Uniform | 0-0-0 to 6-6-0 | | Тор | 377 PLF | 0 PLF | 377 PLF | 0 PLF | 0 PLF | | |
| 3 | Part. Uniform | 0-0-0 to 6-6-0 | | Тор | 96 PLF | 0 PLF | 0 PLF | 0 PLF | 0 PLF | Wall Self Weight | |
| 4 | Tapered Start | 0-0-0 | | Тор | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| | End | 0-7-0 | | | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| 5 | Part. Uniform | 0-0-0 to 1-3-0 | | Тор | 363 PLF | 466 PLF | 0 PLF | 0 PLF | 0 PLF | J3 | |
| 6 | Tapered Start | 0-7-0 | | Тор | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| | End | 2-4-0 | | | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| Continued or | n page 2 | | | | | | | | | | |

Notes

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Client: 84 Lumber-Fayetteville #2307

Project: CL2862 GL CP

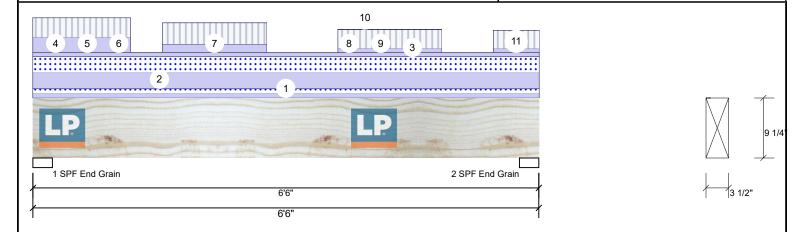
Date: 2/3/2020 Input by: Kyle Militzer

Job Name: CL2862 GL CP Project #: CL2862 GL CP

HD1-B LP-LSL 1.55E 3.500" X 9.250" - PASSED

Address:

Level: 2nd Flr



| .Continued f | from page 1 | | | | | | | | | |
|--------------|---------------|-----------------|------------|------|----------|---------|-----------|----------|-------------|----------|
| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments |
| 7 | Part. Uniform | 1-8-0 to 3-0-0 | | Тор | 206 PLF | 497 PLF | 0 PLF | 0 PLF | 0 PLF | J3 |
| 8 | Tapered Start | 2-4-0 | | Тор | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | |
| | End | 6-6-0 | | | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | |
| 9 | Part. Uniform | 3-11-0 to 5-3-0 | | Тор | 110 PLF | 444 PLF | 0 PLF | 0 PLF | 0 PLF | J7 |
| 10 | Part. Uniform | 3-11-0 to 5-3-0 | | Тор | 0 PLF | -1 PLF | 0 PLF | 0 PLF | 0 PLF | J7 |
| 11 | Part. Uniform | 5-11-0 to 6-6-0 | | Тор | 104 PLF | 421 PLF | 0 PLF | 0 PLF | 0 PLF | J7 |
| | Self Weight | | | | 10 PLF | | | | | |
| | | | | | | | | | | |

Notes

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Client: 84 Lumber-Fayetteville #2307 Project:

CL2862 GL CP

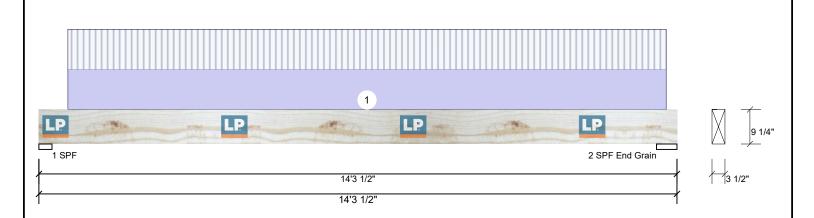
Date: 2/3/2020 Input by: Kyle Militzer

Job Name: CL2862 GL CP Project #: **CL2862 GL CP**

3.500" X 9.250" - PASSED DB2-A **LP-LSL 1.55E**

Address:

Level: 2nd Flr



| Member Information | | | | | | | | | | |
|---------------------|---------------|--|--|--|--|--|--|--|--|--|
| Type: | Girder | | | | | | | | | |
| Plies: | 1 | | | | | | | | | |
| Moisture Condition: | Dry | | | | | | | | | |
| Deflection LL: | 360 | | | | | | | | | |
| Deflection TL: | 240 | | | | | | | | | |
| Importance: | Normal | | | | | | | | | |
| Temperature: | Temp <= 100°F | | | | | | | | | |
| General Load | | | | | | | | | | |

Application: Floor Design Method: **Building Code: IBC/IRC 2015** Load Sharing: No Deck: Not Checked

Reactions PATTERNED Ib (Uplift) Brg Live Dead Snow Wind Const 795 868 0 0 0 1 0 865 939 0 0 2

40 PSF Floor Live: 10 PSF Dead:

Bearings Bearing Length Cap. React D/L lb Total Ld. Case 1 - SPF 3.500" 868 / 795 1663 L

939 / 865

1804 L

11%

End Grain

2 - SPF 5.500"

Analysis Results

| Analysis | Actual | Location | Allowed | Capacity | Comb. | Case |
|--------------|---------------|-----------|---------------|-------------|-------|------|
| Moment | 6020 ft-lb | 7' 13/16" | 10127 ft-lb | 0.594 (59%) | D+L | L |
| Shear | 1568 lb | 1' | 8849 lb | 0.177 (18%) | D+L | L |
| LL Defl inch | 0.285 (L/576) | 7' 13/16" | 0.456 (L/360) | 0.620 (62%) | L | L |
| TL Defl inch | 0.593 (L/277) | 7' 13/16" | 0.683 (L/240) | 0.870 (87%) | D+L | L |

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.308", Long Term = 0.463"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings

| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments |
|----|---------------|------------------|------------|------|----------|---------|-----------|----------|-------------|----------|
| 1 | Part. Uniform | 0-7-14 to 14-0-8 | | Тор | 124 PLF | 124 PLF | 0 PLF | 0 PLF | 0 PLF | |
| | Self Weight | | | | 10 PLF | | | | | |

Notes

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Ld. Comb.

D+L

D+L

Page 1 of 1





Client: 84 Lumber-Fayetteville #2307 Project:

CL2862 GL CP

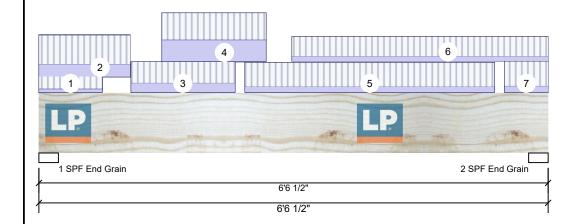
Date: 2/3/2020

Input by: Kyle Militzer Job Name: CL2862 GL CP Project #: **CL2862 GL CP**

3.500" X 9.250" - PASSED **LP-LSL 1.55E**

Address:

Level: 2nd Flr



Floor

No

IBC/IRC 2015

Not Checked

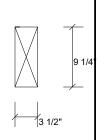
Application:

Design Method:

Building Code:

Load Sharing:

Deck:



Page 1 of 1

Member Information

Type: Plies: Moisture Condition: Dry Deflection LL: 360 Deflection TL: 240 Importance: Normal Temperature:

Temp <= 100°F

General Load

40 PSF Floor Live: 10 PSF Dead:

Reactions PATTERNED Ib (Uplift)

| Brg | Live | Dead | Snow | Wind | Const |
|-----|------|------|------|------|-------|
| 1 | 2163 | 970 | 0 | 0 | 0 |
| 2 | 2293 | 755 | 0 | 0 | 0 |

Bearings

Grain

Bearing Length Cap. React D/L lb Total Ld. Case Ld. Comb. 1 - SPF 3.000" 970 / 2163 3133 L End Grain 2 - SPF 3.000" 755 / 2293 3047 L D+L End

Analysis Results

| Analysis | Actual | Location | Allowed | Capacity | Comb. | Case |
|--------------|---------------|------------|---------------|-------------|-------|------|
| Moment | 4582 ft-lb | 3'2" | 10127 ft-lb | 0.452 (45%) | D+L | L |
| Shear | 2231 lb | 11 1/2" | 8849 lb | 0.252 (25%) | D+L | L |
| LL Defl inch | 0.078 (L/953) | 3'3 9/16" | 0.206 (L/360) | 0.380 (38%) | L | L |
| TL Defl inch | 0.109 (L/679) | 3'2 15/16" | 0.308 (L/240) | 0.350 (35%) | D+L | L |

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.031", Long Term = 0.047"

| 3 Girde | rs are designed to be supported | | | | | | | | | |
|----------|---------------------------------|----------|------------|------|----------|--------|-----------|----------|-------------|----------|
| 4 Top b | raced at bearings. | | | | | | | | | |
| 5 Bottor | m braced at bearings. | | | | | | | | | |
| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments |

| | 71 | | | | | | | | |
|---|---------------|------------------|-----|---------|---------|-------|-------|-------|----|
| 1 | Part. Uniform | 0-0-0 to 0-9-12 | Тор | 67 PLF | 204 PLF | 0 PLF | 0 PLF | 0 PLF | J4 |
| 2 | Part. Uniform | 0-0-0 to 1-2-0 | Тор | 207 PLF | 494 PLF | 0 PLF | 0 PLF | 0 PLF | J3 |
| 3 | Part. Uniform | 1-2-3 to 2-6-3 | Тор | 161 PLF | 360 PLF | 0 PLF | 0 PLF | 0 PLF | J5 |
| 4 | Part. Uniform | 1-7-0 to 2-11-0 | Тор | 367 PLF | 463 PLF | 0 PLF | 0 PLF | 0 PLF | J3 |
| 5 | Part. Uniform | 2-7-13 to 5-10-3 | Тор | 101 PLF | 405 PLF | 0 PLF | 0 PLF | 0 PLF | J5 |
| 6 | Part. Uniform | 3-3-0 to 6-6-8 | Тор | 82 PLF | 330 PLF | 0 PLF | 0 PLF | 0 PLF | |
| 7 | Part. Uniform | 5-11-13 to 6-6-8 | Тор | 114 PLF | 420 PLF | 0 PLF | 0 PLF | 0 PLF | J5 |
| | Self Weight | | | 10 PLF | | | | | |
| | | | | | | | | | |

Notes

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Client:

84 Lumber-Fayetteville #2307

Project: CL2862 GL CP Address:

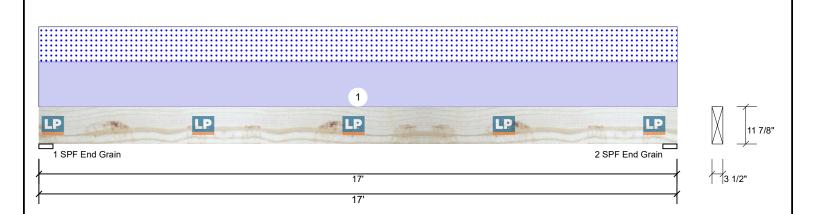
Date: 3/25/2020

Input by: Kyle Militzer Job Name: CL2862 GL CP Project #: **CL2862 GL CP** Page 1 of 1

3.500" X 11.875" - PASSED **LP-LSL 1.55E** HD2-A

Level: 2nd Flr

Reactions PATTERNED Ib (Uplift)



| vicinibei iiiioi | mation | | | ixeactio | 113 1 71 1 6 | 1/14ED 1D (O | Pility | | |
|-------------------|----------------|-----------------|--------------|------------------|--------------|--------------|------------|----------------|-----------|
| Type: | Girder | Application: | Floor | Brg | Live | Dead | Snow | Wind | Const |
| Plies: | 1 | Design Method: | ASD | 1 | 0 | 1056 | 731 | 0 | 0 |
| Moisture Conditio | n: Dry | Building Code: | IBC/IRC 2015 | 2 | 0 | 1056 | 731 | 0 | 0 |
| Deflection LL: | 360 | Load Sharing: | No | | | | | | |
| Deflection TL: | 240 | Deck: | Not Checked | | | | | | |
| Importance: | Normal | | | | | | | | |
| Temperature: | Temp <= 100°F | | | | | | | | |
| General Load | | | | Bearing | S | | | | |
| Floor Live: | 40 PSF | | | Bearing | Length | Cap. Rea | ct D/L lb | Total Ld. Case | Ld. Comb. |
| Dead: | 10 PSF | | | 1 - SPF End | 4.500" | 13% 10 | 056 / 731 | 1787 L | D+S |
| Analysis Resul | | | | Grain 2 - SPF | 4 500" | 13% 10 | 056 / 731 | 1787 L | D+S |
| Analysis A | ctual Location | n Allowed Canac | rity Comb Ca | SE Z-OFF | 4.000 | 10/0 10 | 300 / / 01 | 1101 - | D.0 |

Member Information

| Analysis | Actual | Location | Allowed | Capacity | Comb. | Case |
|--------------|----------------|-----------|---------------|-------------|-------|------|
| Moment | 7048 ft-lb | 8'6" | 18628 ft-lb | 0.378 (38%) | D+S | L |
| Shear | 1514 lb | 1'3 5/8" | 13064 lb | 0.116 (12%) | D+S | L |
| LL Defl inch | 0.194 (L/1012) | 8'6 1/16" | 0.546 (L/360) | 0.360 (36%) | S | L |
| TL Defl inch | 0.475 (L/414) | 8'6 1/16" | 0.819 (L/240) | 0.580 (58%) | D+S | L |

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.280", Long Term = 0.421"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.

| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments |
|----|---------------|-----------------|------------|------|----------|--------|-----------|----------|-------------|----------|
| 1 | Part. Uniform | 0-0-0 to 17-0-0 | | Тор | 111 PLF | 0 PLF | 86 PLF | 0 PLF | 0 PLF | |
| | Self Weight | | | | 13 PLF | | | | | |

Notes

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Manufacturer Info

Louisiana-Pacific Corp 414 Union Street, Suite 2000 Nashville, TN 37219 (888) 820-0325 www.lpcorp.com APA: PR-L280, ICC-ES: ESR-2403, LADBS: RR-25783, Florida: FL15228 U.S. Lumber 2160 Satellite Blvd., Suite 450, GA U.S.A 888-613-5078



This design is valid until 10/31/2021

End Grain





Client: Project: Address:

84 Lumber-Fayetteville #2307

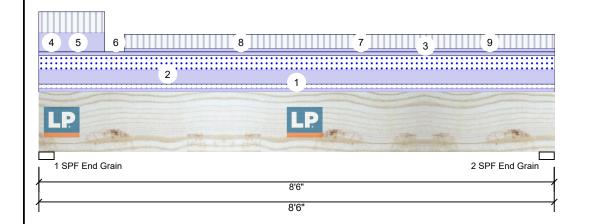
Caviness Land - CL2862

Date: 3/25/2020 Input by: Kyle Militzer

Job Name: CL2862 GL CP Project #: **CL2862 GL CP**

3.500" X 11.875" - PASSED **LP-LSL 1.55E**

Level: 2nd Flr

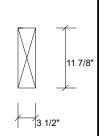


Floor

ASD

No Not Checked

IBC/IRC 2015



Const

0

0

Page 1 of 2

| Type: | Girder | Application: |
|---------------------|---------------|----------------|
| Plies: | 1 | Design Method: |
| Moisture Condition: | Dry | Building Code: |
| Deflection LL: | 360 | Load Sharing: |
| Deflection TL: | 240 | Deck: |
| Importance: | Normal | |
| Temperature: | Temp <= 100°F | |
| General Load | | |
| Floor Live: | 40 PSF | |
| Dead: | 10 PSF | |

Reactions PATTERNED Ib (Uplift) Brg Wind Live Dead Snow 1663 3334 2061 0 1 1570 2938 2061 0 2

Analysis Results Actual Comb. Case Analysis Location Allowed Capacity Moment 11017 ft-lb 4'2 7/8" 18628 ft-lb 0.591 (59%) D+0.75(L+S) L Shear 4097 lb 7'3 7/8" 13064 lb 0.314 (31%) D+0.75(L+S) L LL Defl inch 0.102 (L/959) 4'3 1/16" 0.271 (L/360) 0.380 (38%) 0.75(L+S)

4'2 15/16" 0.406 (L/240) 0.520 (52%) D+0.75(L+S) L

Bearings

Grain

Bearing Length Cap. React D/L lb Total Ld. Case Ld. Comb. 1 - SPF 3.000" 3334 / 2793 6128 L D+0.75(L+S) End Grain 2 - SPF 3.000" 2938 / 2723 5661 L D+0.75(L+S) End

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.111", Long Term = 0.166"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.

TL Defl inch 0.212 (L/459)

Member Information

5 Bottom braced at bearings.

| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments |
|----|---------------|----------------|------------|------|----------|---------|-----------|----------|-------------|------------------|
| 1 | Part. Uniform | 0-0-0 to 8-6-0 | | Тор | 108 PLF | 0 PLF | 108 PLF | 0 PLF | 0 PLF | |
| 2 | Part. Uniform | 0-0-0 to 8-6-0 | | Тор | 377 PLF | 0 PLF | 377 PLF | 0 PLF | 0 PLF | |
| 3 | Part. Uniform | 0-0-0 to 8-6-0 | | Тор | 96 PLF | 0 PLF | 0 PLF | 0 PLF | 0 PLF | Wall Self Weight |
| 4 | Tapered Start | 0-0-0 | | Тор | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | |
| | End | 0-5-0 | | | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | |
| 5 | Part. Uniform | 0-0-0 to 1-1-0 | | Тор | 519 PLF | 557 PLF | 0 PLF | 0 PLF | 0 PLF | J10 |
| 6 | Tapered Start | 0-5-0 | | Тор | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | |
| | End | 2-5-0 | | | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | |
| | | | | | | | | | | |

Continued on page 2...

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.

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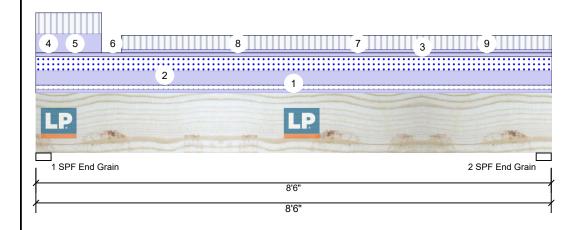
Caviness Land - CL2862

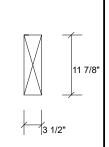
Date: 3/25/2020

Input by: Kyle Militzer Job Name: CL2862 GL CP Project #: CL2862 GL CP

LP-LSL 1.55E 3.500" X 11.875" - PASSED HD4-A

Level: 2nd Flr





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| Con | inued from page 1 | | | | | | | | | | |
|-----|-------------------|----------------|------------|------|----------|---------|-----------|----------|-------------|----------|--|
| ID | Load Type | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snow 1.15 | Wind 1.6 | Const. 1.25 | Comments | |
| 7 | Part. Uniform | 1-5-0 to 8-6-0 | | Тор | 93 PLF | 370 PLF | 0 PLF | 0 PLF | 0 PLF | J9 | |
| 8 | Tapered Start | 2-5-0 | | Тор | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| | End | 4-5-0 | | | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| 9 | Tapered Start | 4-5-0 | | Тор | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| | End | 8-6-0 | | | 0 PLF | 1 PLF | 0 PLF | 0 PLF | 0 PLF | | |
| | Self Weight | | | | 13 PLF | | | | | | |

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CSD | DRAW DESIGN BUILD