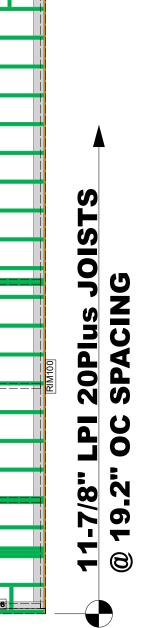
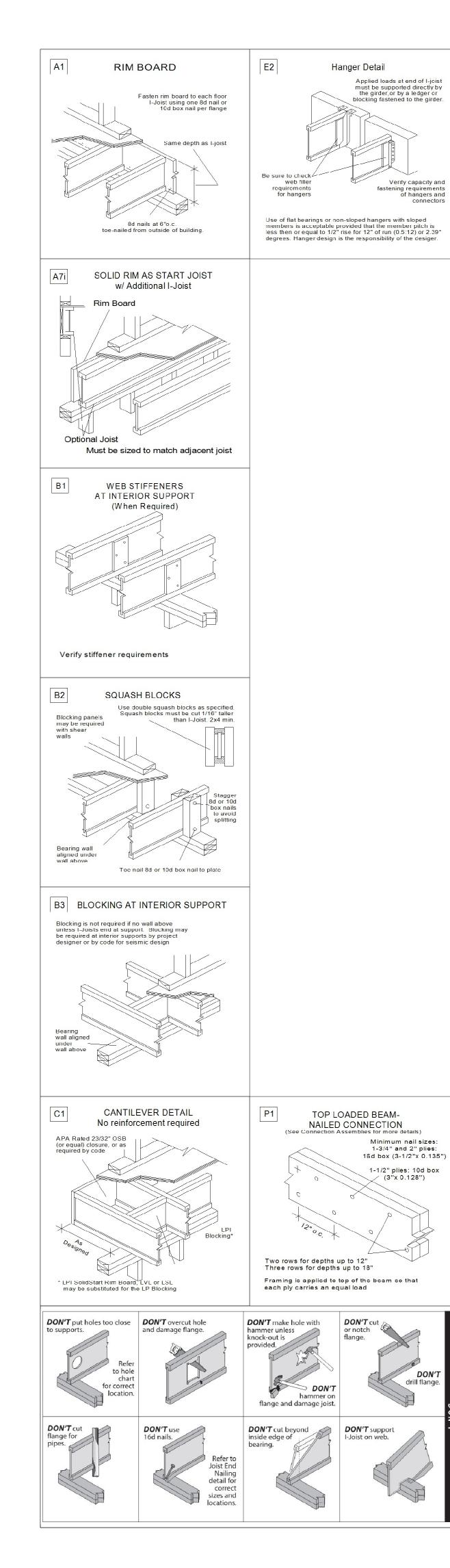
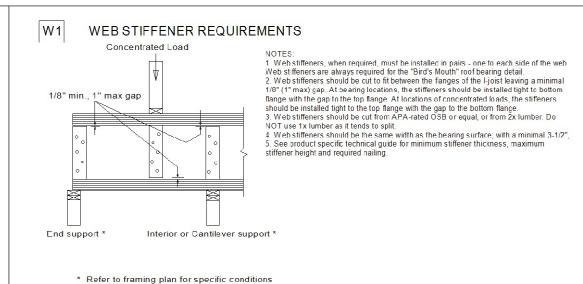


First Floor System Layout Scale: 3/16" = 1'-0"

| | | | ENGINEERED WOOD | | | | |
|---|---|---|--|---|-------------------|---|--|
| | <u>Architectural Drawings</u> <u>Prepared By:</u> | Enter Architect Info (or erase this text) | Original Plan Date: Enter Original Plan Date | Latest Revision: Enter Latest Revision Date | TECHNICAL SUPPORT | Rock Hill, SC - (803) 323-1650 Columbia, SC - (803)-788-8950 | Locust, NC - (704) 888-4411 Monroe, NC - (704) 289-8441 |
| | | | 1 | 1 | | # MyBMC # | |
| | MMINGS | | | EVIDENCE | | BCC | |
| | BRAD CUMN | | | | | Release Date | 5/6/2021 |
| | BR | | | | | Drawn By | |
| | COMMENTS | System Layout | | | | | |
| Wall Legend Bearing Wall Non-Load Bearing Wall | DATE | ##/##/ Original | | • | | 1 | 1 |
| SALES PRESENTATION DRAWING This layout and associated materials list has been prepared based on project plans and/or information provided to BMC by the builder. It remains the responsibility of the builder, architect, engineer of record, or other responsible persons to review this information to assure that it is appropriate, accurate,complete and complies with applicable building codes. | REV. BY | - | , , S 1 | he of | eet | | 1 |





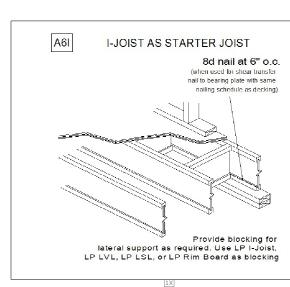


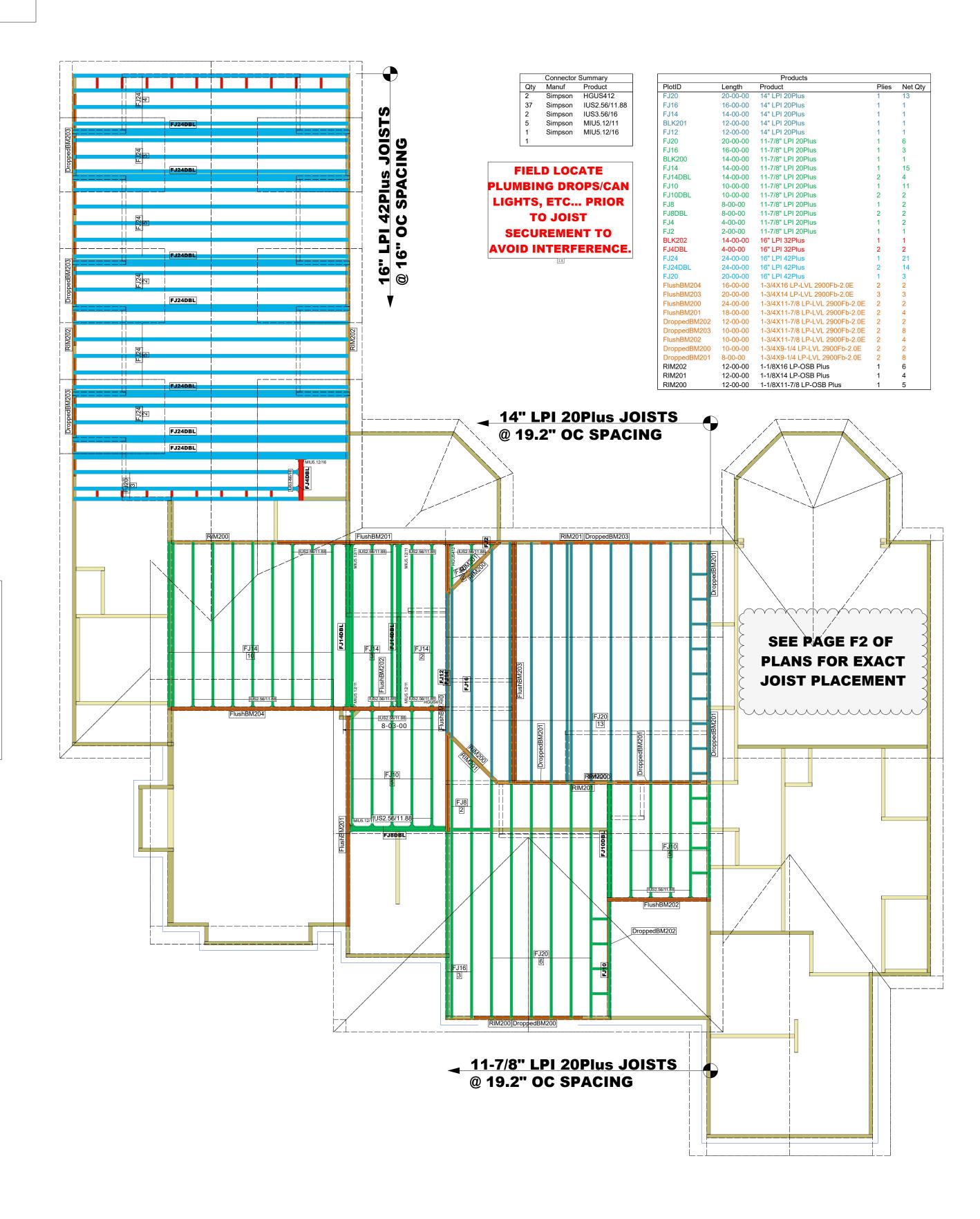
Verity capacity and fastening requirements of hangers and

Minimum nail sizes:

DON' drill flange

connectors





| | | | ENGINEERED WOOD | | | ® |
|--|-------------------------------------|---|--|---|---|--|
| | Architectural Drawings Prepared By: | Enter Architect Info (or erase this text) | Original Plan Date: Enter Original Plan Date | Latest Revision: Enter Latest Revision Date | Коск ПІІІ, ЭС - (803) 323-1650 Columbia, SC - (803)-788-8950 | Locust, NC - (704) 888-4411 Monroe, NC - (704) 289-8441 |
| | BRAD CUMMINGS | | | | Release Date BCC # MyBMC # | 5/6/2021 |
| | BRA | | | UEVA | Drawn By | |
| | COMMENTS | Original System Layout | | | | |
| Wall Legend Bearing Wall Non-Load Bearing Wall Non-Load Bearing Wall SALES PRESENTATION DRAWING This layout and associated materials list has been prepared based on project plans and/or information provided to BMC by the builder. It remains the responsibility of the builder, architect, engineer of record, or other responsible persons to review this information to assure that it is appropriate, | REV. BY DATE | - XXX ##/##/## Orig | , , , , S | , , , | • | • |

| Lis Beam E | Design | | Client: Project: Address: | 750" X | 11.875" | 2- D h/ | In Jo P | nate: nput by: ob Name: roject #: | 5/5/2021 Devane | | | | Pa | ge 1 of |
|--|---|--|---|--------------------------|--------------------|----------------|----------------|--|--|-------------------------|--------------|----------------------|--------------|----------|
| | | 50010-2 | | 750 X | 11.075 | 2-r iy | - FA33 | | | | | | | |
| | | | 1 | | | | | 2 | | | | | | |
| LP | | | | LP | att in the | | | | LP | inite a | | | \mathbb{M} | 11 7 |
| | AND DECK OF THE OWNER. | - Janita | | | STATES AND INCOME. | | Contraction of | | | | 0.005 | | | <u> </u> |
| 1 SPF | | | | | 10'8" | | | | | | 2 SPF | \rightarrow | 3 1/2 | |
| / | | | | | 10'8" | | | | | | | \rightarrow | 3 1/2 | - |
| lember Inf | formation | | | | | | Reaction | ns UNP | ATTERNE | D lb (Uplif | t) | | | |
| Туре: | Girder | | Applicatio | | loor | | Brg | Live | Dea | id Snov | v | Wind | Const | |
| Plies: Moisture Cond | 2 dition: Drv | | Design M Building (| | SD BC/IRC 2015 | | 1 | 454 1039 | 76 98 | | 0 0 | 0 0 | 0 0 | |
| Deflection LL: | - | | Load Sha | | lo | | _ | 1039 | 98 | 13 | U | U | U | |
| Deflection TL: | | | Deck: | Ν | lot Checked | | | | | | | | | |
| Importance: Temperature: | Normal Temp <= 10 | 0°F | | | | | | | | | | | | |
| iomporataro. | Tomp + To | | | | | | Bearing | s | | | | | | |
| | | | | | | | Bearing | - | | React D/L lb | | Ld. Case | | mb. |
| | | | | | | | 1 - SPF | | 23% 39% | 768 / 454 989 / 1039 | 1222 2028 | | D+L D+L | |
| nalysis Re | sults | | | | | | 2 - SPF | 3.500 | 39% | 98971039 | 2028 | L | D+L | |
| Analysis | Actual | Location | | Capacity | Comb. | Case | | | | | | | | |
| Moment Shear | 5675 ft-lb 1891 lb | 7'4" 9'5 3/8" | 19902 ft-lb 7897 lb | 0.285 (29% 0.239 (24% | - | L | | | | | | | | |
| | 0.055 (L/2243) | | 0.255 (L/480) | | | L | | | | | | | | |
| | 0.107 (L/1149) | | 0.510 (L/240) | | | L | | | | | | | | |
| esign Not | es | | | | | | ſ | | | | | | | |
| required by 2 Dead Load 3 Girders are 4 Multiple plie 5 Top loads m 6 Top braced | eral support to prev code for seismic d Deflection: Instant designed to be su as must be fastene nust be supported at bearings. ced at bearings. | esign. = 0.052", Lo pported on th d together as | ng Term = 0.07 ne bottom edge s per manufacti | 78" e only. | | hen | | | | | | | | |
| ID | Load Type | | Location T | rib Width | Side | Dead 0.9 | Live | | | Vind 1.6 Con | | Commer | | |
| 1 | Uniform | | | | Тор | 100 PLF | 0 PL | | 0 PLF | 0 PLF | 0 PLF | Ceiling Jo | | |
| 2 | Point Booring Longt | - | 7-4-0 | | Тор | 564 lb | 1493 I | D | 0 lb | 0 lb | 0 lb | Beam F E | srg 2 | |
| | Bearing Lengtl Self Weight | I | 0-3-8 | | | 12 PLF | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | N | Nanufacturer | Info | В | MC/Locust | Lumber Co | mpan |
| lataa | alysis is based on the | | | | | | | L | ouisiana-Pac | ific Corp | 3 | 12 E. Main 3 8127 | | |
| | | e user | | | | | | | | | | | | |
| his component ana eometry and other c and listed in this rep ensure the accuracy o | conditions as entered by the port. The user is responsi of the input and the applicat | ble to pility to | | | | | | ١ | lashville, TN | | | 04-888-441 | 1 | |
| his component ana eometry and other c ind listed in this rep insure the accuracy on he actual conditions | conditions as entered by the port. The user is responsi | ble to pility to th this | | | | | | 1 (V | lashville, TN 3 888) 820-032 vww.lpcorp.co | 37219 5 | 7 | | 1 | |

| isl | Design | | Client: Project: Address: | | | Inț Jo | ate: 5 out by: b Name: E oject #: | 5/5/2021 Devane | | | | Page 1 of 1 |
|--|--|--|---|------------------------------------|----------------------------|-------------------------------|--|---------------------------|--|-----------------------|-----------------------|---------------------------------|
| Beam F | LP-LVL 2 | 900Fb-2 | 2.0E 1.750' | ' X 11.875" | 2-Ply | - PASS | ED Leve | el: Level | | | | |
| | | 2 | 1 | | | | | | | | | |
| LP | | File | L | P | | | C. P. B. | | | | | |
| 1 SPF | | | 8'3 1/2 | | | | 2 SPF | _ | | | | 3 1/2" |
| 4 | | | 8'3 1/2 | 2" | | | | \rightarrow | | | | |
| /lember Info | ormation | | | | | Reaction | s UNPAT | TERNE | D lb (Uplif | t) | | |
| Type: Plies: Moisture Condi Deflection LL: | 480 | | Application: Design Method: Building Code: Load Sharing: | Floor ASD IBC/IRC 2015 No | | Brg 1 2 | Live 1493 1493 | Dead 58 58 | в с |) | Wind 0 0 | Const 0 0 |
| Deflection TL: Importance: Temperature: | 240 Normal Temp <= 10 | 00°F | Deck: | Not Checked | | Bearings | | | | | | |
| | | | | | | Bearing 1 - SPF 2 - SPF | 3.500" | Cap. 40% 40% | React D/L lb 588 / 1493 588 / 1493 | 1otal 2081 2081 | | Ld. Comb. D+L D+L |
| Analysis Res | | | | | | 1 | | | | 2001 | | |
| Moment Shear LL Defl inch | Actual 3850 ft-lb 1469 lb 0.039 (L/2418) 0.054 (L/1734) | 1'2 5/8" 4'1 13/16" | 19902 ft-lb 0.193 | (19%) D+L (19%) D+L (20%) L | Case L L L | | | | | | | |
| Design Note | es | | | | | ĺ | | | | | | |
| required by o 2 Dead Load I 3 Girders are o 4 Multiple plies | code for seismic of Deflection: Instant designed to be su s must be fastene ust be supported at bearings. | design. t = 0.015", Loi upported on th ed together as | at end bearings and a ng Term = 0.023" le bottom edge only. per manufacturer's d plies. | - | vhen | | | | | | | |
| ID 1 | Load Type Uniform | | Location Trib Wie | th Side Top | Dead 0.9 50 PLF | Live 1 200 PLF | Snow 1 | .15 W PLF | ind 1.6 Cons 0 PLF | st. 1.25 0 PLF | Comment Floor Load | - |
| 1 2 | Uniform Self Weight | | | Тор | 50 PLF 80 PLF 12 PLF | 200 PLF 160 PLF | | PLF | 0 PLF | 0 PLF | | |
| Notes This component analogeometry and other coordinate and listed in this repre- ensure the accuracy of orditions | | ne user sible to bility to ch this | | Тор | | 160 PLF | Mar Lou 414 Nas (88) | nufacturer isiana-Paci | Info fic Corp et, Suite 2000 7219 | | BMC/Locust L | umber Compar treet, North Ca |

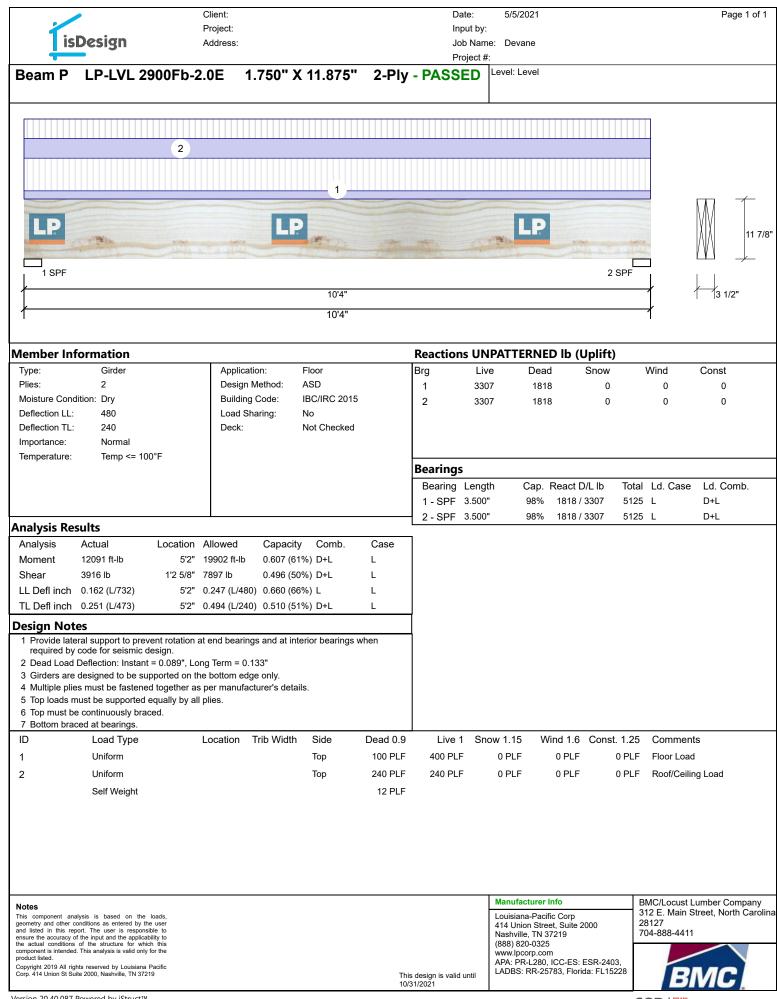
| Liel | Design | I | Client: Project: Address: | | | Inp | te: out by: | 5/5/2021 | | | | Page | e 1 of |
|--|---|------------------------|--|---------------------|----------|-------------------|----------------|--|---------------------------------|----------|----------------------|---------------------|--------|
| | | | | | | Pro | oject #: | Devane | | | | | |
| Beam H | LP-LVL 2 | 900Fb-2 | .0E 1.750 [°] | ' X 9.250" | 2-PIy - | PASSE | D | | | | | | |
| | | | | | | | | | | | | | |
| | | 2 | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | 1 |
| LP | | | | | .P | | | | | | | XX | 9 |
| | | - APRIL S | | | | | | | | | | $\langle V \rangle$ | |
| 1 SPF | | | | 7'2" | | | | 2 SPF | \rightarrow | | | 3 1/2 | |
| / | | | | 7'2" | | | | | \rightarrow | | | 1 12 | - |
| lember Inf | ormation | | | | | Reaction | s UNP | ATTERNED | lb (Uplift | t) | | | |
| Type: Plies: | Girder 2 | | Application: Design Method: | Floor ASD | | Brg 1 | Live 3225 | Dead 1646 | Snow 0 | | Wind 0 | Const 0 | |
| Moisture Cond | | | Building Code: | IBC/IRC 2015 | | 2 | 3225 | 1646 | 0 | | 0 | 0 | |
| Deflection LL: | 480 | | Load Sharing: | No | | | | | | | | | |
| Deflection TL: Importance: | 240 Normal | | Deck: | Not Checked | | | | | | | | | |
| Temperature: | Temp <= 10 |)0°F | | | | | | | | | | | |
| romporataror | ionip ii | | | | | Bearings | | | | | | | |
| | | | | | | Bearing | Length | Cap. Re | eact D/L lb | Total | Ld. Case | Ld. Com | ıb. |
| | | | | | | 1 - SPF | 3.500" | 94% 1 | 646 / 3225 | 4871 | L | D+L | |
| nalysis Res | | | | | | 2 - SPF | 3.500" | 94% 1 | 646 / 3225 | 4871 | L | D+L | |
| Analysis Kes | Actual | Location / | Allowed Capa | city Comb. | Case | 1 | | | | | | | |
| Moment | 7646 ft-lb | | • | (62%) D+L | L | | | | | | | | |
| Shear | 3511 lb | | | (57%) D+L | L | | | | | | | | |
| | 0.107 (L/753) | | 0.168 (L/480) 0.640 | | L | | | | | | | | |
| | 0.161 (L/499) | | 0.335 (L/240) 0.480 | | L | | | | | | | | |
| | | | () () | () = = | | 1 | | | | | | | |
| esign Not | | vent rotation at | end bearings and a | interior bearings y | when | 1 | | | | | | | |
| required by | code for seismic | design. | | | | | | | | | | | |
| | Deflection: Instan | | g Term = 0.082" e bottom edge only. | | | | | | | | | | |
| | | | per manufacturer's d | etails. | | | | | | | | | |
| | nust be supported | equally by all p | olies. | | | | | | | | | | |
| 6 Top braced 7 Bottom brac | at bearings. ced at bearings. | | | | | | | | | | | | |
| D | Load Type | l | _ocation Trib Wid | th Side | Dead 0.9 | Live 1 | Snow | / 1.15 Wine | d 1.6 Cons | st. 1.25 | Commen | ts | |
| 1 | Uniform | | | Тор | 150 PLF | 600 PLF | | 0 PLF C | PLF | 0 PLF | Floor Load | 1 | |
| <u>2</u> | Uniform | | | Тор | 300 PLF | 300 PLF | | | PLF | | Roof/Ceilir | | |
| | Self Weight | | | | 9 PLF | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| lotes | | | | | | | | Manufacturer Info | | | MC/Locust L | | |
| eometry and other co | alysis is based on the onditions as entered by t | he user | | | | | 4 | ouisiana-Pacific (14 Union Street, | Suite 2000 | 28 | 12 E. Main S 3127 | | Juar |
| and listed in this rep ensure the accuracy of | ort. The user is respon f the input and the applica of the structure for wh | sible to ability to | | | | | 1 | Nashville, TN 372 888) 820-0325 | | | 04-888-4411 | | |
| omponent is intended. roduct listed. | . This analysis is valid only | / for the | | | | | Ň | ww.lpcorp.com | C EQ. EOD 04 | 103 | | | |
| opyright 2019 All righ | hts reserved by Louisiana ite 2000, Nashville, TN 37 | Pacific 219 | | | Thi | s design is valid | | APA: PR-L280, IC ADBS: RR-2578 | с-ез: езк-24 3, Florida: FL1 | 5228 | P | MC | |
| | | | | | | 31/2021 | | | | | - 1 | 1/1-7 | |

| Lis Beam J | Design LP-LVL 2 | | Client: Project: Address: .0E 1.7 | 50" X 14.000" | 3-Ply | Inp Jo Pri | ite: but by: b Name: bject #: ED | 5/5/2021 Devane vel: Level | | | | Page 1 (|
|---|---|----------------------|--|-------------------------|----------|--------------------|--|-----------------------------------|---------------------------|-----------|------------|-----------------------------------|
| | | | 1 | | | | 2 | | | | | |
| LP | | LP | | LP | | LP | a an | 61 - C | P | | | 1'2" |
| 1 SPF | | | | | | | | | | 2 S | PF | |
| 1 | | | | 19'7" | | | | | | | | 5 1/4" |
| ł | | | | 19'7" | | | | | | | | |
| | | | | | | Dentin | | TTEDNE | | <u>()</u> | | |
| lember Inf Type: | Girder | | Application | Floor | | Brg | Live | ATTERNEI Dead | Sno (Upil | | Wind | Const |
| Plies: | 3 | | Design Met | | | 1 | 797 | 1828 | | 0 | 0 | 0 |
| Moisture Cond | | | Building Co | | | 2 | 1843 | 2352 | | 0 | 0 | 0 |
| Deflection LL: Deflection TL: | 480 240 | | Load Shari Deck: | ng: Yes Not Checked | | | | | | | | |
| mportance: | Normal | | Doom | | | | | | | | | |
| Temperature: | Temp <= 10 | 0°F | | | | | | | | | | |
| | | | | | | Bearings | | | | | | |
| | | | | | | Bearing | - | • | React D/L lb | | Ld. Case | |
| | | | | | | 1 - SPF 2 - SPF | | 34% 54% | 1828 / 797 2352 / 1843 | | | D+L D+L |
| nalysis Res | sults | | | | | 2-011 | 0.000 | 0470 | 200271040 | | | DIE |
| Analysis | Actual | Location | | Capacity Comb. | Case | | | | | | | |
| Moment | 21584 ft-lb | | |).512 (51%) D+L | L | | | | | | | |
| Shear | 3991 lb 0.236 (L/972) | 18'2 1/4" | |).286 (29%) D+L | L | | | | | | | |
| | 0.236 (L/972) 0.546 (L/421) | | 0.478 (L/480) (|).570 (57%) D+L | L | | | | | | | |
| | . , | 100 1/2 | 0.330 (L/240) | | L | 1 | | | | | | |
| esign Not | | vent rotation a | it end bearings a | nd at interior bearings | when | | | | | | | |
| required by | code for seismic | design. | U | Ŭ | | | | | | | | |
| | Deflection: Instan designed to be su | | | | | | | | | | | |
| 4 Multiple plie | es must be fastene | d together as | per manufactur | • | | | | | | | | |
| • | nust be supported e laterally braced a | | • | | | | | | | | | |
| | ced at bearings. | | | | | | | | | | | |
| D | Load Type | | Location Tril | Width Side | Dead 0.9 | Live 1 | | | nd 1.6 Co | | Comme | |
| | Uniform | | 40 7 0 | Тор | 125 PLF | 0 PLF | |) PLF | 0 PLF | 0 PLF | - | oists above |
| 2 | Point Bearing Long | h | 13-7-0 | Тор | 1320 lb | 2640 lb | 1 | 0 lb | 0 lb | 0 lb | Point Loa | ad from Above |
| | Bearing Lengt Self Weight | | 0-3-8 | | 21 PLF | | | | | | | |
| | Con Weight | | | | 2116 | | | | | | | |
| | | | | | | | | | | | | |
| otes | | | | | | | | anufacturer li | | | | Lumber Compar Street, North Ca |
| eometry and other co | alysis is based on the onditions as entered by the port. The user is response | ne user | | | | | 4 | ouisiana-Pacifi 14 Union Stree | t, Suite 2000 | 2 | 28127 | |
| sure the accuracy of a actual conditions | ort. The user is respon- f the input and the applica of the structure for whi | bility to ch this | | | | | N | ashville, TN 37 88) 820-0325 | | | 04-888-441 | 1 |
| omponent is intended oduct listed. | This analysis is valid only | for the | | | | | Ŵ | ww.lpcorp.com PA: PR-L280, I | | 2403, | | |
| opyright 2019 All righ | | | | | | | | | 83, Florida: FL | | | |

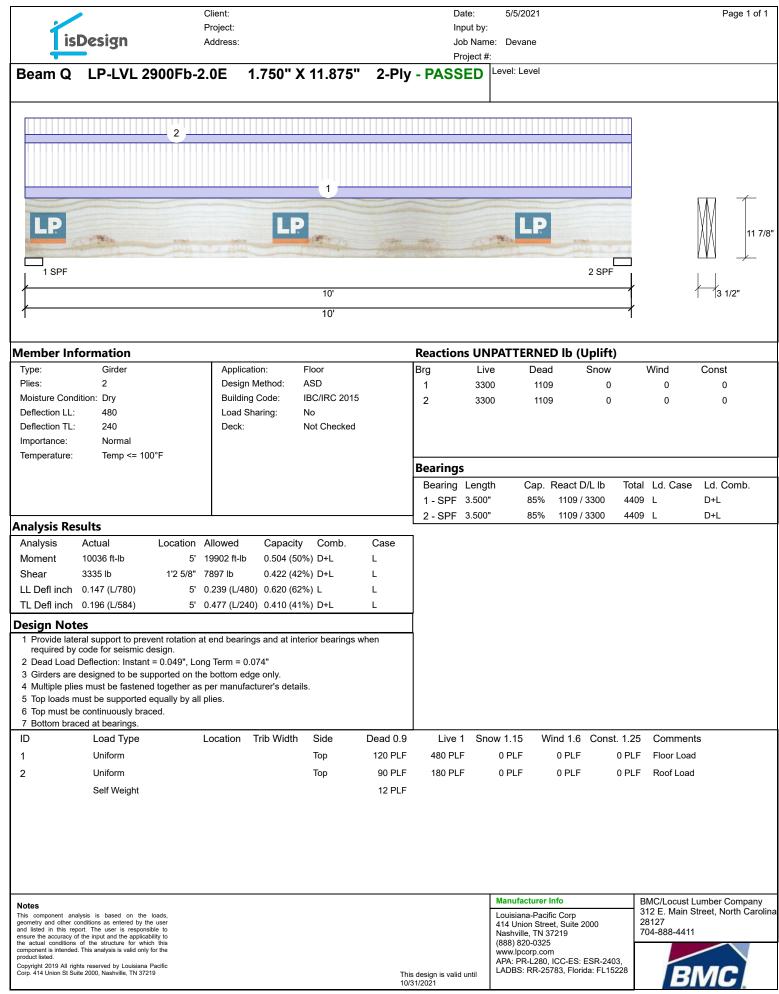
| | | | Client: Project: | | | | | ate: put by: | 5/5/2021 | | | | | Page 1 of |
|---|---|----------------------------|--------------------------|-----------|--------------------|--------------|-----------------------------|-----------------|--|--|-----------|-----------------|---------------|-----------------------|
| isD | esign | | Address: | | | | | | e: Devane | | | | | |
| | | | | | | | | Project #: | | | | | | |
| Beam K | LP-LVL | 2900Fb-2 | 2.0E 1.7 | 750" | X 11.875" | 2-Ply | - PASS | SED | Level: Level | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | - 3 | | | | | |
| | | 2 | | | | | | | | | | | | |
| | | | | | 1 | | | | | | | | | |
| LP | ri Min | LP | | | LP | - ATT | | P | and the second s | | LP | | | 11 7/8" |
| 1 SPF | | 2 5 | | | | | | | and the second se | and the second s | | 3 SP | F | |
| · | 5'11" | | | | | | 12'3 1/2 | 2" | | | | | _ | 3 1/2" |
| ł | | | | | 18'2 1/2' | | | | | | | | \rightarrow | |
| | | | | | | | | | | | | | | |
| Member Info | | | <u> </u> | | | | | | PATTERN | | - | | | |
| Type: Plies: | Girder 2 | | Application Design Me | | Floor ASD | | Brg 1 | Live 429 | | ad 91 | Snow 0 | | Wind 0 | Const 0 |
| Moisture Conditie | | | Building C | | IBC/IRC 2015 | | 2 | 6334 | | | 0 | | 0 | 0 |
| Deflection LL: | 480 | | Load Shar | ring: | No | | 3 | 2704 | | | 0 | | 0 | 0 |
| Deflection TL: | 240 | | Deck: | | Not Checked | | | | | | | | | |
| Importance: | Normal | | | | | | | | | | | | | |
| Temperature: | Temp <= | 100°F | | | | | Bearing | | | | | | | |
| | | | | | | | | | h 0-m | Deset D | // 11- | T-4-1 | | |
| | | | | | | | Bearing 1 - SPF | - | • | React D | | 10tai 1716 | Ld. Case L | Ld. Comb. D+L(D+L) |
| nalusis Door | | | | | | | 2 - SPF | 4 250" | 97% | 4366 / | 3452 | (-774) 10819 | _ | D+L |
| Analysis Resu Analysis A | Actual | Location | Allowed | Capaci | ty Comb. | Case | End | 1.200 | 0170 | 10007 | 0102 | 10010 | | DIE |
| Neg Moment - | | | | - | 60%) D+L | LL | Grain | | | | | | | - . |
| Pos Moment 1 | | | | - | 54%) D+L | _L | 3 - SPF | 3.500" | 87% | 1805 / 3 | 2723 | 4527 | _L | D+L |
| | 383 lb | 6'10 7/8" | | | 68%) D+L | LL | | | | | | | | |
| LL Defl inch 0 | | | 0.302 (L/480) | - | - | _L | | | | | | | | |
| TL Defl inch 0 | | | 0.603 (L/240) | | | _L | | | | | | | | |
| | | | | | | | 1 | | | | | | | |
| Design Notes 1 Provide latera | | event rotation a | t end bearings | and at in | nterior bearings w | vhen | 4 | | | | | | | |
| required by co | | | a ona boaringo | and at n | itorior bouringo r | | | | | | | | | |
| 2 Dead Load De | | | - | | | | | | | | | | | |
| 3 Girders are de 4 Multiple plies | - | | - | - | ails | | | | | | | | | |
| 5 Top loads mus | | - | | | | | | | | | | | | |
| | nection requir | ed at bearing 1 | for uplift 774 lb | (Combi | nation D+L, Load | d Case | | | | | | | | |
| _L). 7 Top must be la | | | | | | | | | | | | | | |
| 8 Bottom must b | | | | | | D 100 | | | | | | | | |
| ID 1 | Load Type | | Location Tr | ib Width | | Dead 0.9 | Live | | | Nind 1.6 | Const | | Commen | |
| 1 | Uniform | | | | Тор | 70 PLF | 280 PL | | 0 PLF | 0 PLF | | 0 PLF | Floor Load | |
| 2 | Uniform | | | | Тор | 150 PLF | 0 PL | | 0 PLF | 0 PLF | | 0 PLF | 0 | |
| 3 | Uniform | | | | Тор | 120 PLF | 240 PL | .F | 0 PLF | 0 PLF | | 0 PLF | Roof Load | l |
| | Self Weight | | | | | 12 PLF | | | | | | | | |
| | | | | | | | | | | | | | | |
| Notes | | | | | | | | ſ | Manufacture | r Info | | | | _umber Company |
| This component analys geometry and other cond | is is based on t | he loads, | | | | | | ľ | Louisiana-Pa | | 200 | 3. | | Street, North Caro |
| and listed in this report ensure the accuracy of the | . The user is resp e input and the app | onsible to | | | | | | | 414 Union Str Nashville, TN | 37219 | 000 | |)4-888-4411 | |
| and listed in this report ensure the accuracy of th the actual conditions of component is intended. Th | the structure for his analysis is valid of | which this only for the | | | | | | | (888) 820-032 www.lpcorp.co | 25 | | | | |
| product listed. Copyright 2019 All rights | reserved by Louisia | na Pacific | | | | | | | APA: PR-L28 | D, ICC-ES: E | SR-240 | 3, | | |
| | 2000 Neebuille Th | 7210 | | | | TL : | a da atau ta cali | d until | LADBS: RR-2 | 5783, Floric | a: FL15 | 228 | | |
| Corp. 414 Union St Suite 2 | 2000, Masriville, Th | 57215 | | | | | s design is vali 31/2021 | a unui | | | | | -1 | |

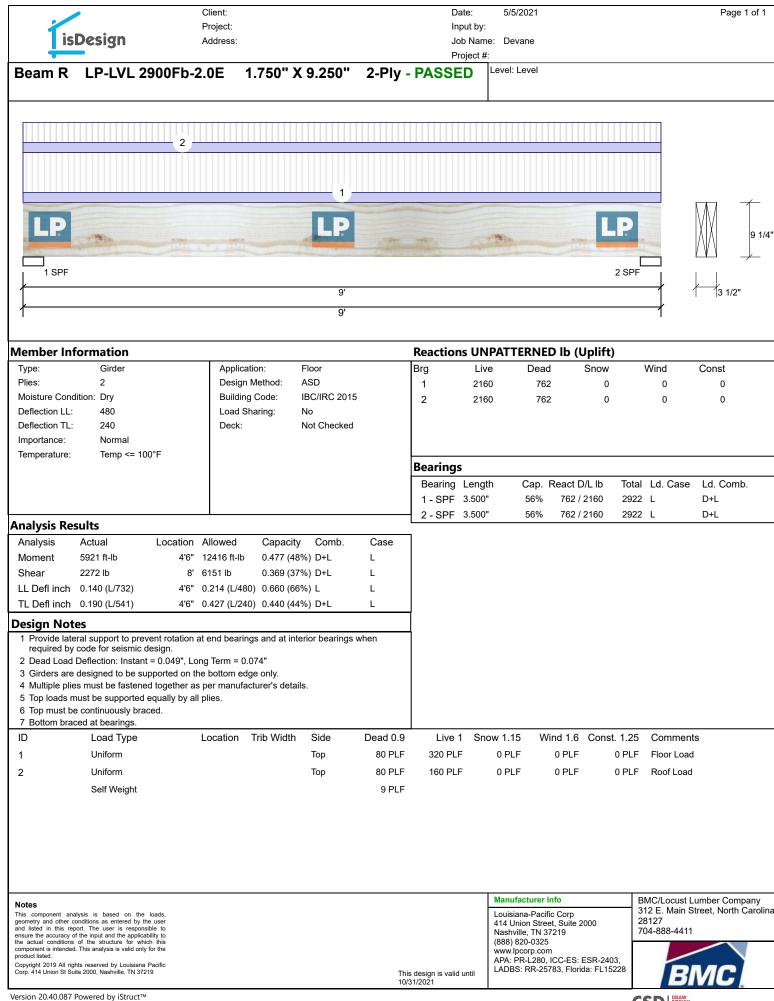
| | | | Client: | | | | Da | te: | 5/5/2021 | | | | | Page 1 of 1 |
|---|---|----------------------|-----------------|---------------|-------------------|----------|--------------------------------|---------------|------------------------------|--|---------|---------|------------------------|---------------------|
| 1 | | | Project: | | | | Inp | out by: | | | | | | |
| IS | Design | | Address: | | | | | | Devane | | | | | |
| Beam N | LP-LVL 2 | 900Eb-2 | 0E 1 | 750" X / | 16 000" | 2_DIv | | oject #: | evel: Level | | | | | |
| Dealin | | 5001 0-2 | | / 50 X | 10.000 | 2-F I y | - FA33 | | | | | | | |
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| | | | | | | | | | | | | | | $\Pi \uparrow$ |
| LP | | | LP | | | LP | | | | | D | | | M |
| | Coltra . | and the second | | - | Har The | | | and the | No. | | | - | | 1'4" |
| - | AND DESCRIPTION OF THE OWNER OF T | المعالم المحالي الم | and the second | | California Contra | | E Brank Street | Sec. 6 Sec. 1 | | - And the second | 14 | | | |
| 1 SPF En | d Grain | | | | | | | | | 2 | SPF End | d Grain | I | |
| | | | | | 14'1" | | | | | | | | ┥ ∤ | 3 1/2" |
| ∤ | | | | | 14'1" | | | | | | | | \dashv | |
| | | | | | | | | | | | | | | |
| Member Inf | formation | | | | | | Reaction | s UNF | ATTERN | ED lb (l | Jplift) | | | |
| Туре: | Girder | | Applicatio | n: Fl | oor | | Brg | Live | | | Snow | | Wind | Const |
| Plies: | 2 | | Design M | | SD | | 1 | 4155 | 27 | '89 | 0 | | 0 | 0 |
| Moisture Cond | | | Building (| | C/IRC 2015 | | 2 | 4155 | 27 | '89 | 0 | | 0 | 0 |
| Deflection LL: | 480 | | Load Sha | - | | | | | | | | | | |
| Deflection TL: | 240 Normal | | Deck: | N | ot Checked | | | | | | | | | |
| Importance: | Normal | 0°E | | | | | | | | | | | | |
| Temperature: | Temp <= 10 | | | | | | Bearings | | | | | | | |
| | | | | | | | Bearing | | Cap | . React D |)/I lb | Total | Ld. Case | Ld. Comb. |
| | | | | | | | 1 - SPF | - | - | 6 2789 / | | 6943 | | D+L |
| | | | | | | | End | | | | | | | |
| Analysis Re | sults | | | | | | Grain 2 - SPF | 2 500" | 76% | 6 2789/ | 1155 | 6943 | | D+L |
| Analysis | Actual | Location | | Capacity | Comb. | Case | End | 3.500 | 76% | 0 27897 | 4155 | 0943 | L | D+L |
| Moment | 22951 ft-lb | | 34636 ft-lb | 0.663 (66%) | | L | Grain | | | | | | | |
| Shear | 5413 lb | 12'6 3/8" | | 0.509 (51%) | | L | | | | | | | | |
| | 0.221 (L/741) | | 0.341 (L/480) | | | L | | | | | | | | |
| | 0.369 (L/444) | 7 9/10 | 0.682 (L/240) | 0.540 (54%) | D+L | L | ł | | | | | | | |
| Design Not | es eral support to prev | ont rotation a | t and boaring | and at interi | or boarings w | hon | 4 | | | | | | | |
| | code for seismic c | | it end bearings | and at men | bi bearings w | Inen | | | | | | | | |
| | Deflection: Instant | | | | | | | | | | | | | |
| | designed to be su es must be fastene | • • | 0 | , | | | | | | | | | | |
| | nust be supported | - | - | | | | | | | | | | | |
| - | e laterally braced a | at a maximum | of 6' o.c. | | | | | | | | | | | |
| 7 Bottom brad | ced at bearings. Load Type | | Location T | rib Width | Side | Dead 0.9 | Live 1 | Snov | w 1.15 | Wind 1.6 | Const | 1 25 | Comments | |
| 1 | Uniform | | | | Тор | 70 PLF | 280 PLF | | 0 PLF | 0 PLF | |) PLF | Floor Load | |
| 2 | Uniform | | | | Тор | 310 PLF | 310 PLF | | 0 PLF | 0 PLF | | | Roof Load | |
| 2 | | | | | юр | 16 PLF | STOTE | | 01 LI | 01 LI | , | 51 [] | Rooi Loau | |
| | Self Weight | | | | | 10 FLF | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| Notes | | | | | | | | | Manufacture | er Info | | | | mber Company |
| This component and geometry and other c | alysis is based on the onditions as entered by th | ne user | | | | | | | Louisiana-Pa 414 Union St | | 2000 | | 12 E. Main Str 8127 | eet, North Carolina |
| and listed in this rep ensure the accuracy of | oort. The user is respons of the input and the application | ible to bility to | | | | | | | Nashville, TN | 37219 | | | 04-888-4411 | |
| the actual conditions component is intended product listed. | of the structure for white I. This analysis is valid only | for the | | | | | | | (888) 820-03 www.lpcorp.c | com | | | | |
| Copyright 2019 All rig | hts reserved by Louisiana ite 2000, Nashville, TN 372 | Pacific 19 | | | | Thi | s design is valid ı | | APA: PR-L28 LADBS: RR- | | | | D | AC |
| | | | | | | | s design is valid i 31/2021 | urtul | | | | | DI | |

| | Design | | Client: Project: Address: | | | | Jo Pr | out by: b Name: oject #: | 5/5/2021 Devane | | | | Page 1 c |
|---------------------------------------|--|-------------------|---------------------------------|---------------------|-------------------|----------|----------|--------------------------------|-----------------------------------|--------------|---------|-------------------------|------------------|
| Beam O | LP-LVL 29 | 900Fb-2 | 2.0E 1 | .750" > | (11.875" | 2-Ply | · - PASS | ED ^L | evel: Level | | | | |
| | | | | | | | | | | | | | |
| | | | | | 1 | | | | | | | | |
| LP | (1984a | LP | - 172 | | ↓ | | - | LP | - | - Elina | L | | 11 7/8 |
| 1 SPF | | | | | | | | | | | 2 SP | F | |
| r | | | | | 16'11" | | | | | | | - | 3 1/2" |
| ł | | | | | 16'11" | | | | | | | | |
| ember Inf | ormation | | | | | | Reaction | s UNP | ATTERNE | D lb (Uplift |) | | |
| Гуре: Plies: | Girder 2 | | Applicat Design | | Floor ASD | | Brg 1 | Live 430 | Dead 208 | | | Wind 0 | Const 0 |
| Moisture Cond | ition: Dry | | Building | Code: | IBC/IRC 2015 | | 2 | 430 370 | 193 | | | 0 | 0 |
| Deflection LL: Deflection TL: | 480 240 | | Load Sh Deck: | naring: | No Not Checked | | | | | | | | |
| mportance: | Normal | | | | | | | | | | | | |
| emperature: | Temp <= 100 | °F | | | | | Bearings | | | | | | |
| | | | | | | | Bearing | Length | Сар. | React D/L lb | Total | Ld. Case | Ld. Comb. |
| | | | | | | | 1 - SPF | | 12% | 208 / 430 | 639 | | D+L |
| nalysis Res | sults | | · · | | | | 2 - SPF | 3.500" | 11% | 193 / 370 | 563 | L | D+L |
| Analysis | Actual | Location | | Capacity | | Case | | | | | | | |
| Moment Shear | 4491 ft-lb 624 lb | 7'10" 1'2 5/8" | 19902 ft-lb 7897 lb | 0.226 (23 0.079 (8% | - | L | | | | | | | |
| | 0.139 (L/1419) | | 0.411 (L/480 | , | , | L | | | | | | | |
| L Defl inch | 0.195 (L/1012) | 8'1 3/8" | 0.823 (L/240 |) 0.240 (24 | ₩) D+L | L |] | | | | | | |
| esign Note | | | -4 11 1 | | | | 1 | | | | | | |
| required by | ral support to preve code for seismic de | esign. | | | erior bearings v | wnen | | | | | | | |
| | Deflection: Instant = designed to be sup | | • | | | | | | | | | | |
| | s must be fastened ust be supported e | | | cturer's detai | ls. | | | | | | | | |
| 6 Top braced | | . , ., ., ., | | | | | | | | | | | |
| Bottom brac | Load Type | | Location | Trib Width | Side | Dead 0.9 | Live 1 | Snov | v 1.15 W | ind 1.6 Cons | t. 1.25 | Commen | its |
| | Point | | 7-10-0 | | Тор | 200 lb | 800 lb | | 0 lb | 0 lb | 0 lb | Stair Head | |
| | Bearing Length | | 0-3-8 | | | | | | | | | | |
| | Self Weight | | | | | 12 PLF | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | Manufacturer | nfo | RI | MC/Locuet | Lumber Compar |
| otes his component anal | lysis is based on the lo onditions as entered by the | oads, | | | | | | l | _ouisiana-Pacif | ic Corp | 31 | | Street, North Ca |
| d listed in this rep | orditions as entered by the ort. The user is responsib if the input and the applicabil of the structure for which | le to | | | | | | 1 | 414 Union Stre Nashville, TN 3 | 7219 | |)4-888-441 [°] | 1 |
| h actual accounter of | | | | | | | | | | | | | |
| mponent is intended. oduct listed. | of the structure for which This analysis is valid only for its reserved by Louisiana Pa | or the | | | | | | 1 | 888) 820-0325 www.lpcorp.cor | | | | |



CSD





CSD

Designer: Tony Huneycutt--ADH

FIRST FLOOR FRAMING

| 2362 | LF | LPI201178 | 11-7/8" LF | PI 20Plus JO | DISTS | 3/28' 19/24' : | 15/22' 17/20' | 3 | 7086 |
|------|-----|---------------|------------|--------------|-----------|----------------|-------------------|------|-------|
| | | | | | | 26/18' 2/16' 3 | 16/14' 1/12' | | |
| | | | | | | 7/10' 18/8' 2 | /6' 9/4' + 154' B | К | |
| 14 | PCS | LPRB118117812 | 1-1/8" x | 11-7/8" | x 12' RIN | 1 BOARD | | 43.2 | 604.8 |

7690.8

SECOND FLOOR FRAMING

| 620 | LF | LPI201178 | 11-7/8" LPI 20Plus JOISTS | 6/20' 3/16' 1 | 9/14' 13/10' | 3 | 1860 |
|-----|-----|---------------|----------------------------|----------------|---------------|------|--------|
| | | | | 4/8' 2/4' 1/2' | + 14' BLKG | | |
| 5 | PCS | LPRB118117812 | 1-1/8" x 11-7/8" x 12' RIN | 1 BOARD | | 43.2 | 216 |
| 314 | LF | LPI2014 | 14" LPI 20Plus JOISTS | 13/20' 1/16' : | 1/14' 1/12' + | 3.3 | 1036.2 |
| | | | | 12' BLKG | | | |
| 4 | PCS | LPRB1181412 | 1-1/8" x 14" x 12' RIM BO | ARD | | 51.6 | 206.4 |
| 24 | LF | LPI3216 | 16" LPI 32Plus JOISTS | 2/4' + 16' BLK | G | 3.5 | 84 |
| 900 | LF | LPI4216 | 16" LPI 42Plus JOISTS | 38/24' | | 4.5 | 4050 |
| 6 | PCS | LPRB1181612 | 1-1/8" x 16" x 12' RIM BO | ARD | | 58.8 | 352.8 |
| 32 | LF | LPLVL16 | 1-3/4" x 16" LVL | 2/16' | | 7.3 | 233.6 |
| 60 | LF | LPLVL14 | 1-3/4" x 14" LVL | 3/20' | | 6.4 | 384 |
| 264 | LF | LPLVL1178 | 1-3/4" x 11-7/8" LVL | 2/24' 4/18' 2 | /12' 12/10' | 5.4 | 1425.6 |
| 84 | LF | LPLVL914 | 1-3/4" x 9-1/4" LVL | 2/10' 8/8' | | 4.2 | 352.8 |
| 38 | PCS | IUS2.56/11.88 | FACE MOUNT SINGLE JOIS | ST HANGERS | | | |
| 1 | PCS | MIU5.12/11 | FACE MOUNT DOUBLE JO | ISTS HANGERS | | | |
| 5 | PCS | IUS3.56/16 | FACE MOUNT SINGLE JOIS | ST HANGERS | | | |
| 1 | PCS | MIU5.12/16 | FACE MOUNT DOUBLE JO | IST HANGERS | | | |
| 2 | PCS | 152-999 | HGUS412 FACE MOUNT D | OUBLE LVL HA | NGERS | | |

10201.4