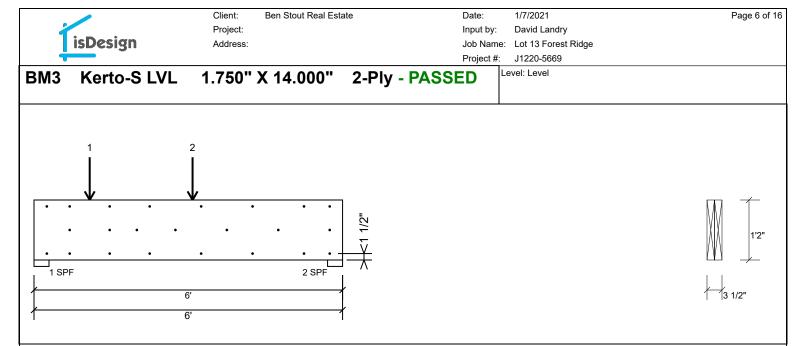


| | Client: | Ben Stout Real Est | ate | Date: | 1/7/2021 | | Page 2 of 16 |
|---|---|---|-----------------------|-------------------------------|---|--------------------------------|-----------------------------------|
| | Project: | | | Input | | | - |
| isDesign | Address: | | | Job N | lame: Lot 13 Forest Rie | dge | |
| Ť Ť | | | | Projec | ct #: J1220-5669 | | |
| BM1 Kerto-S L | // 1 750" \ | K 14.000" | 2_Dlv | DASSED | Level: Level | | |
| | | 14.000 | Z- F iy · | FASSED | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | , |
| • • • | • • | • | • | • • | • • | • • | - 1 1 |
| | | | | | | | 1/2 |
| | • • | • • | • | • • | • | | <u> </u> |
| • • • | • • | • | • | • • | • • | • •_ | <u> </u> |
| 1 SPF End Grain | | | | | | 2 SPF End Grain | Λ |
| | | | | | | | |
| 1 | | | 12'7" | | | | 3 1/2" |
| ł | | | 12'7" | | | | |
| | | | | | | | |
| | | | | | | | |
| Multi-Ply Analysis | | | | | | | |
| Fasten all plies using 3 row | s of 10d Box nails (| .128x3") at 12" | o.c Maxim | um end distance | e not to exceed 6" | | |
| Capacity | 0.0 % | | | | | | |
| oad | 0.0 PLF | | | | | | |
| /ield Limit per Foot | 245.6 PLF | | | | | | |
| ∕ield Limit per Fastener ∕ield Mode | 81.9 lb. IV | | | | | | |
| Edge Distance | 1 1/2" | | | | | | |
| /in. End Distance | 3" | | | | | | |
| oad Combination | | | | | | | |
| Duration Factor | 1.00 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Notes | chemicals | | 6. For flat roofs pro | vide proper drainage to preve | ent Manufacturer Info | Comtech | , Inc. Reilly Road, Suite #639 |
| Calculated Structured Designs is responsible only structural adequacy of this component based of | of the Handling & Installati | on | ponding | | Metsä Wood | Fayettevi | lle, NC |
| structural adequacy of this component based of design criteria and loadings shown. It is responsibility of the customer and/or the contract | the 2. Refer to manufacture | er's product information | | | 301 Merritt 7 Building Norwalk, CT 06851 | I, 2nd Floor 28314 910-864- | TRUS |
| ensure the component suitability of the int application, and to verify the dimensions and loads | ended fastening details, beam | requirements, multi-ply strength values, and code | | | (800) 622-5850 | | |
| Lumber | 3. Damaged Beams must no 4. Docime accurrent top odde | ot be used | | | www.metsawood.con ICC-ES: ESR-3633 | | |
| 1. Dry service conditions, unless noted otherwise 2. LVL not to be treated with fire retardant or con | 5 Provide lateral support | at bearing points to avoid | This decime : | valid until 2/26/2022 | | | отесн |
| Varrian 20.20.044 Doward by iStructIM | | | rnis aesign is | valid until 2/26/2023 | | | |

| | Page 3 of |
|---|--|
| Project: Input by: David Landry isDesign Address: Job Name: Lot 13 Forest Ridge | |
| Address: Job Name: Lot 13 Forest Ridge Project #: J1220-5669 | |
| BM2 Kerto-S LVL 1.750" X 18.000" 2-Ply - PASSED | |
| Sinz Rento-5 EVE 1.750 X 10.000 2-119-1 ASSED | |
| | |
| 2 | |
| 3 5 | |
| | |
| | M |
| and the second | 1'6" |
| | |
| 1 SPF End Grain | |
| 12'7" | 3 1/2" |
| 12'7" | |
| Nember Information Reactions UNPATTERNED Ib (Uplift) | |
| | Vind Const |
| Plies: 2 Design Method: ASD 1 0 5114 4887 | 0 0 |
| Moisture Condition: Dry Building Code: IBC/IRC 2015 2 0 5329 4635 | 0 0 |
| Deflection LL: 480 Load Sharing: No Deflection TL: 360 Deck: Not Checked | |
| Importance: Normal | |
| Temperature: Temp <= 100°F | |
| Bearings | |
| Bearing Length Cap. React D/L lb Total | Ld. Case Ld. Comb. |
| 1 - SPF 3.500" 94% 5114 / 4887 10001 | L D+S |
| nalveis Posults End Grain | |
| nalysis Results Grain Analysis Actual Location Allowed Capacity Comb. Case 2 - SPF 3.500" 93% 5329 / 4635 9964 | L D+S |
| Memore 42202 ft lb 777 1/2" 40429 ft lb 0.956 (66%) DLS L End | |
| Unbraced 42293 ft-lb 7'7 1/2" 42329 ft-lb 0.999 D+S L | |
| | |
| Shear 9273 lb 10'10 3/8" 15456 lb 0.600 (60%) D+S L L D Finite D 4/8" D Finite D D Finit D | |
| LL Defl inch 0.179 (L/816) 6'8 1/8" 0.304 (L/480) 0.590 (59%) S L TL Defl inch 0.368 (L/396) 6'8 5/16" 0.405 (L/360) 0.910 (91%) D+S L | |
| | |
| esign Notes 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not | |
| to exceed 6". | |
| 2 Refer to last page of calculations for fasteners required for specified loads. 3 Girders are designed to be supported on the bottom edge only. | |
| 4 Top loads must be supported equally by all plies. | |
| 5 Top must be laterally braced at a maximum of 2'6" o.c. | |
| 6 Bottom braced at bearings. 7 Lateral slenderness ratio based on single ply width. | |
| | Comments |
| | B1 |
| | G1 |
| | B1-GR |
| | Wall Above |
| | |
| Self Weight 14 PLF | |
| Manufashuar Isfa Cor | ntech, Inc. |
| Notes chemicals 6. For flat roots provide proper drainage to prevent chemicals 1001 Calculated Structured Designs is responsible only of the Handling & Installation ponding Faye | 1 S. Reilly Road, Suite #639 retteville, NC |
| structural adequacy of this component based on the 1. LVL beams must not be cut or drilled 2. Refer to manufacturer's product information USA Nonvalk CT 06851 | A 14 |
| esponsibility of the customer and/or the contractor to ensure the component suitability of the intended fastening details, beam strength values, and code (800) 622-5850 | -864-TRUS |
| Lumber 3. Damaged Beams must not be used ICC-ES: ESR-3633 | |
| 1. Dry service conditions, unless noted otherwise 4. Design assumes upper up assume super up as up assume super up as up assume super up as | соттесн |
| | |

| | Client: | Ben Stout Real Estate | Date: | 1/7/2021 | Page 4 of 16 |
|--|---|--|---------------------------------------|--|---|
| La Dantara | Project: | | Input by | - | |
| isDesign | Address: | | | ne: Lot 13 Forest Ridge #: J1220-5669 | |
| | | | | Level: Level | |
| BM2 Kerto-S | LVL 1.750 | X 18.000" 2-PI | y - PASSED | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | π \neq |
| | | | | | M |
| • • • | • • | • • • • | • • | | 1'6" |
| • • • | • • • | • • • | • • • | . <u> </u> | |
| 1 SPF End Grain | | | 2 SPF Er | ud Grain | / |
| · | | 12'7" | | | 3 1/2" |
| , | | | | | 0 1/2 |
| l | | 12'7" | | I | |
| | | | | | |
| Multi-Ply Analysis | | | | | |
| | | (.128x3") at 12" o.c Max | kimum end distance r | not to exceed 6" | |
| Capacity Load | 0.0 % 0.0 PLF | | | | |
| /ield Limit per Foot | 245.6 PLF | | | | |
| /ield Limit per Fastener /ield Mode | 81.9 lb. IV | | | | |
| Edge Distance | 1 1/2" | | | | |
| Ain. End Distance | 3" | | | | |
| Load Combination Duration Factor | 1.00 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | Manufacturor Info | Comtech, Inc. |
| Notes Calculated Structured Designs is responsible | chemicals e only of the Handling & Installati | | is provide proper drainage to prevent | Manufacturer Info Metsä Wood | 1001 S. Reilly Road, Suite #639 Fayetteville, NC |
| structural adequacy of this component ba design criteria and loadings shown. | sed on the 1. LVL beams must not be of It is the 2. Refer to manufacture | ut or drilled er's product information | | 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 | USA 28314 |
| responsibility of the customer and/or the c ensure the component suitability of th application, and to verify the dimensions and | e intended fastening details, beam | requirements, multi-ply strength values, and code | | (800) 622-5850 | 910-864-TRUS |
| Lumber | 3. Damaged Beams must n 4. Design assumes top edg | e is laterally restrained | | www.metsawood.com/us ICC-ES: ESR-3633 | |
| Dry service conditions, unless noted other LVL not to be treated with fire retardant | I WISE 5 Provide lateral support | at bearing points to avoid | gn is valid until 2/26/2023 | | соттесн |
| Version 20.20.044 Powered by iStru | ct™ | | - | 1 | |

| is | , Design | F | Client: E Project: Address: | 8en Stout Rea | al Estate | | Inp | ate: out by: b Name | 1/7/2021 David Lan : Lot 13 For | - | | | Page 5 of |
|--|--|--|---|---|--|---|--------------------------------------|---------------------------|--|---|---------------------|---|------------------|
| | | | 75011 1/ | 44.000 | | | Pr | oject #: | J1220-566 evel: Level | - | | | |
| BM3 M | Kerto-S L | VL 1. | /50" X | 14.000 |)" 2- | Ply - P | ASSE |) | | | | | |
| 1 SPF | 2 | 3 ↓ · · · · · · · · · · · | • | • • 2 SF | ••••• | | | | | | | | 1'2" 3 1/2" |
| ļ | | 0 | | | Ι | | | | | | | | |
| lember Inf | ormation | | | | | | Reaction | s UNF | PATTERNE | D lb (Uplift | | | |
| Type: Plies: Moisture Cond Deflection LL: Deflection TL: Importance: | 480 360 Normal | | Applicatio Design M Building C Load Sha Deck: | ethod: As Code: IB ring: No | oor SD C/IRC 2015 o ot Checked | | Brg 1 2 | Live 678 189 | 70 | 9 0 | | Wind 0 0 | Const 0 0 |
| Temperature: | Temp <= 10 | 0°F | | | | | Bearings | | | | | | |
| | | | | | | | Bearing 1 - SPF | Length 3.500" | Cap. 27% | React D/L lb 709 / 678 | Total 1387 | Ld. Case L | Ld. Comb. D+L |
| nalysis Res | ults | | | | | | 2 - SPF | 3.500" | 14% | 546 / 189 | 734 | L | D+L |
| Analysis Moment Unbraced Shear | Actual 1305 ft-lb 1305 ft-lb 1162 lb | 2'8 7/16" 2 2'8 7/16" 1 1'4 3/4" 1 | 0453 lb | Capacity 0.048 (5%) 0.074 (7%) 0.111 (11%) | D+L | Case L L L | | | | | | | |
| LL Defl inch | (L/21799) | | .139 (L/480) | . , | | L | | | | | | | |
| | 0.008 (L/8727) | 2'10 1/16" 0 | .185 (L/360) | 0.040 (4%) | D+L | L | { | | | | | | |
| to exceed 6 2 Refer to last 3 Concentrate present. 4 Girders are 5 Top loads m 6 Top braced 7 Bottom brac | ies using 3 rows o ". page of calculation d load fastener sp designed to be su ust be supported | ons for fastener pecification is ir pported on the equally by all p | rs required for addition to h bottom edge lies. | r specified loa anger fasten | ads. | | | | | | | | |
| ID | Load Type | | | rib Width | Side | Dead 0.9 | Live 1 | Sno | w 1.15 V | Vind 1.6 Cons | t. 1.25 | Comment | s |
| 1 | Uniform | | | | Тор | 150 PLF | 0 PLF | | 0 PLF | 0 PLF | 0 PLF | Wall Above | 9 |
| 2 | Point | | 1-1-0 | | Far Face | 238 lb | 714 lb | | 0 lb | 0 lb | 0 lb | F2A | |
| 3 | Point Self Weight | | 3-1-0 | | Far Face | 51 lb 11 PLF | 153 lk |) | 0 lb | 0 lb | 0 lb | F/ | |
| structural adequacy of design criteria and responsibility of the cu ensure the compone application, and to verif Lumber 1. Dry service conditio | Designs is responsible only f this component based loadings shown. It i stormer and/or the contra nt sutability of the in y the dimensions and load with fire retardant or co d with fire retardant or co | on the is the tended s. 4. Design a 5. Provide | & Installation ns must not be cut o o manufacturer's installation re details, beam stre | or drilled product inform equirements, mu ength values, and e used laterally restrained bearing points to | pondir lation lti-ply code avoid | at roofs provide p ig design is valid | roper drainage to until 2/26/2023 | | Manufacturer Metsä Wood 301 Merritt 7 E Norwalk, CT 0 (800) 622-585 www.metsawo ICC-ES: ESR- | Building, 2nd Floor 6851 0 od.com/us | 10 Fa U 28 | omtech, Inc. 101 S. Reilly Road ayetteville, NC SA 101-864-TRUS | , Suite #639 |



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 6"

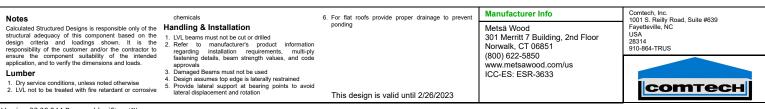
| maximum end distance not to exceed o | | | | | | | |
|--------------------------------------|-----------|--|--|--|--|--|--|
| Capacity | 0.0 % | | | | | | |
| Load | 0.0 PLF | | | | | | |
| Yield Limit per Foot | 245.6 PLF | | | | | | |
| Yield Limit per Fastener | 81.9 lb. | | | | | | |
| Yield Mode | IV | | | | | | |
| Edge Distance | 1 1/2" | | | | | | |
| Min. End Distance | 3" | | | | | | |
| Load Combination | | | | | | | |
| Duration Factor | 1.00 | | | | | | |
| | | | | | | | |

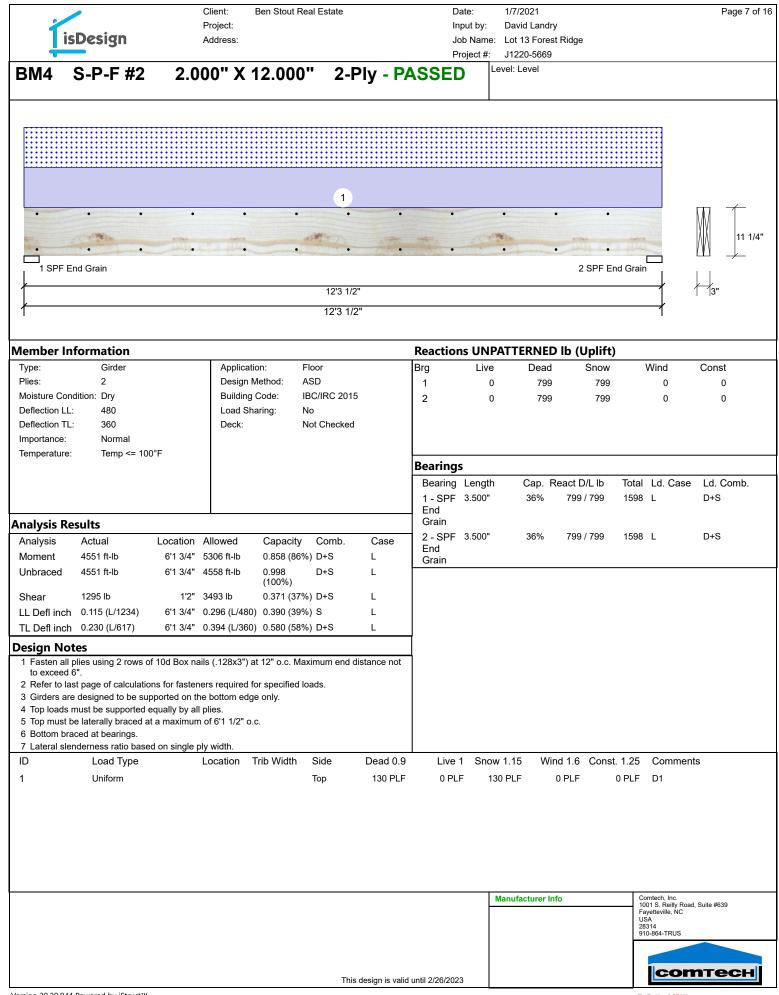
Concentrated Load

Fasten at concentrated side load at 1-1-0 with a

minimum of (6) – 10d Box nails (.128x3") in the

Min/Max fastener distances for Concentrated Side Loads pattern shown. Capacity 96.9 % -Min. 3"⊣ Min. 1 1/4" 476.0lb. Load Total Yield Limit 491.0 lb. 1 1/2" 0.9998 Са Yield Limit per Fastener 81.9 lb. 1/4" Min. 1 Yield Mode IV Load Combination D+L Min. 3' Duration Factor 1.00 Min. 5" -Min. 3"--Max. 12"· Max. 12".

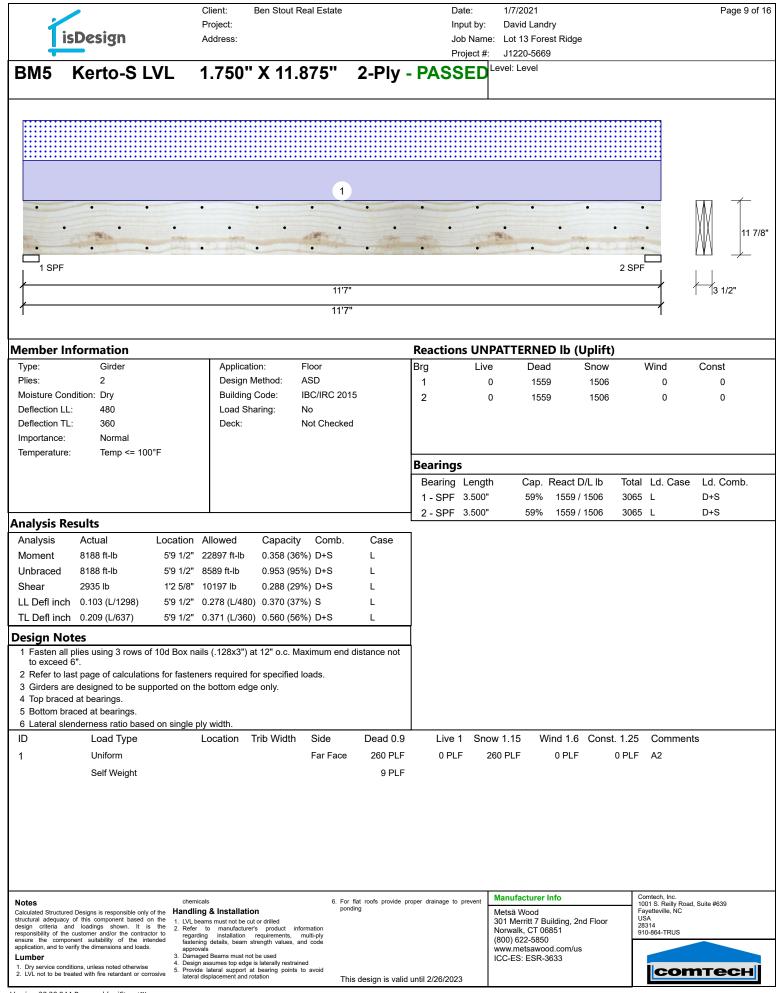




| 1 | isDesign | Ado | ect: lress: | n Stout Real E | | | Project #: | 1/7/2021 David Landry Lot 13 Forest Ridge J1220-5669 | Page 8 of 16 |
|------------------------------|-----------------|----------------------|----------------|----------------|-------------|-------------|------------|---|--|
| BM4 | S-P-F #2 | 2 2.000 | " X 12 | 2.000" | 2-Ply - | PASSE | D | evel: Level | |
| | | | | | | | | | |
| | | | | | | | | | |
| • | • | • • | • | • | • | • | • | • • • | / ₪ /3 |
| • | • | • • | • | ٠ | • | ٠ | • | | |
| 1 SPF | End Grain | | | | 12'3 1/2" | | | 2 SPF End G | $rain \rightarrow 7$ |
| <i> </i> | | | | | 12'3 1/2" | | | | |
| Multi-Ply | | | | | | | | | |
| Capacity | plies using 2 r | ows of 10d Box | nails (.12 | 8x3") at 12 | ' o.c Maxin | num end dis | tance not | to exceed 6" | |
| Load Yield Limit pe | | 0.0 PLF 157.4 PLF | | | | | | | |
| Yield Limit pe Yield Mode | r Fastener | 78.7 lb. IV | | | | | | | |
| Edge Distanc | | 1 1/2" | | | | | | | |
| Min. End Dist Load Combin | | 3" | | | | | | | |
| Duration Fact | or | 1.00 | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | _ | | - |
| | | | | | | | Ν | lanufacturer Info | Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC |
| | | | | | | | | | Fayetteville, NC USA 28314 |
| | | | | | | | | | 910-864-TRUS |

| This design is valid until 2/26/2023 | |
|--------------------------------------|--|

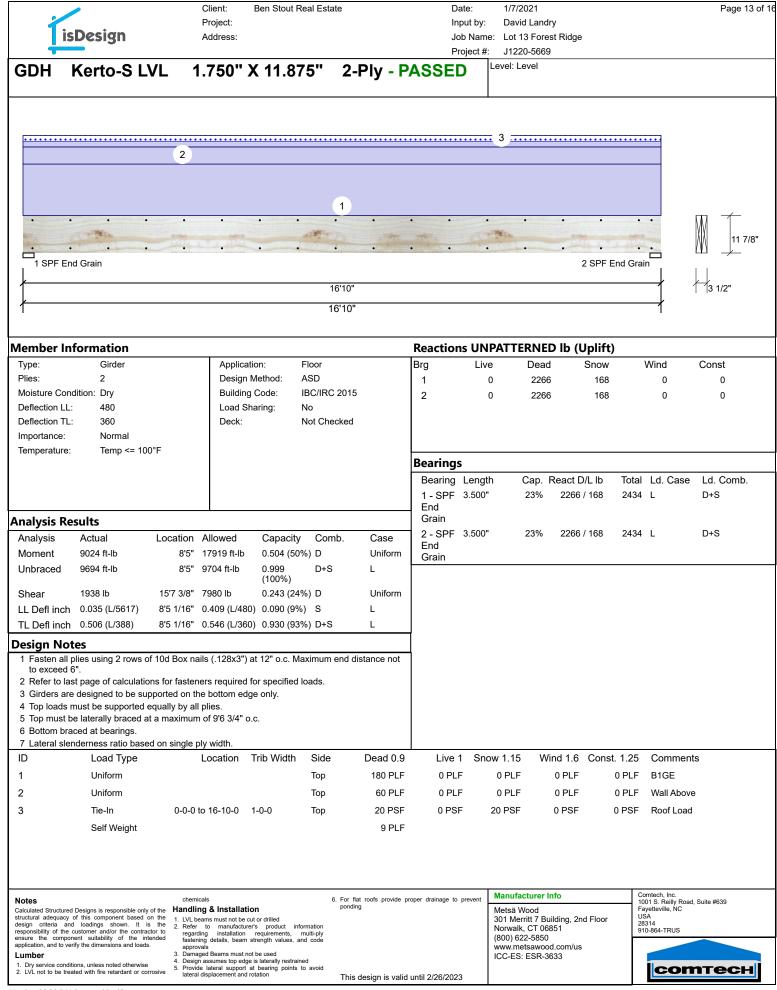
соттесн



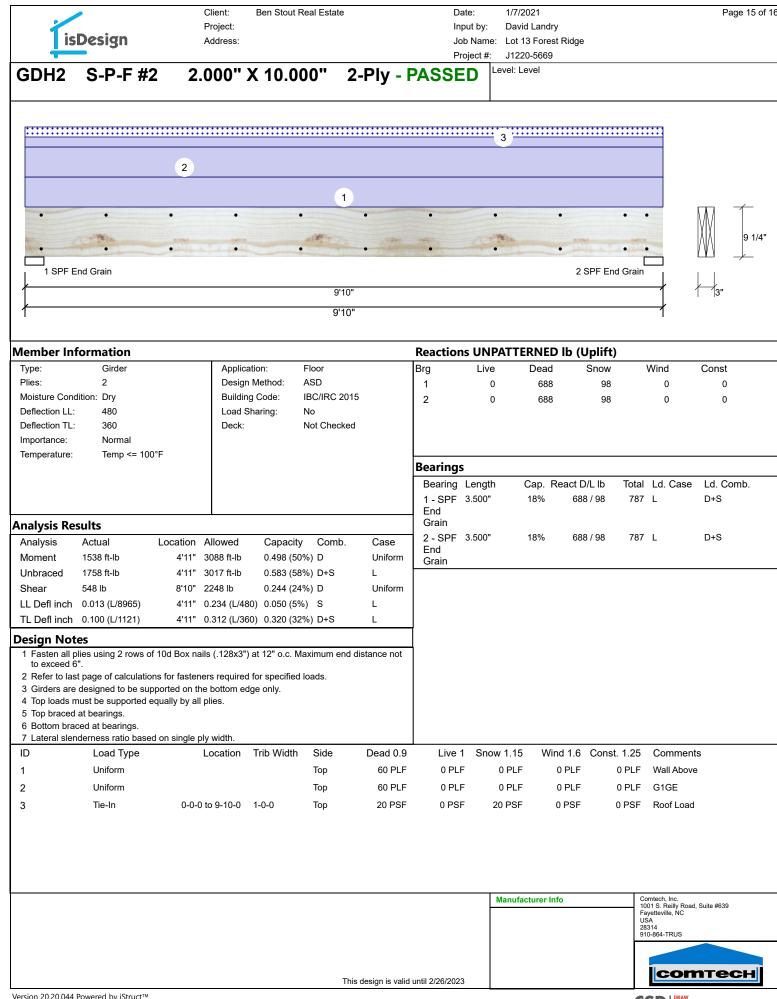
| isDesign | Client: Project: Address: | Ben Stout Real Es | tate | | 1/7/2021 David Landry : Lot 13 Forest Ridge | Page 10 of 10 |
|--|--|---|--|----------------------------|--|--|
| BM5 Kerto-S LVL | 1.750' | ' X 11.875 | 5" 2-Ply | Project #: | J1220-5669 Level: Level | |
| | | | | | | |
| · · · | • | • • | • | · · | • • | |
| • • • • | • | • • | ••• | • | ••• | |
| | | | 11'7" 11'7" | | | 3 1/2" |
| Multi-Ply Analysis Fasten all plies using 3 rows of 10 Capacity 92.1 % | | (.128x3") at 12" | o.c Maximum | end distance nc | ot to exceed 6" | |
| Load260.0Yield Limit per Foot282.4Yield Limit per Fastener94.1 lb | PLF PLF | | | | | |
| Yield ModeIVEdge Distance1 1/2"Min. End Distance3"Load CombinationD+SDuration Factor1.15 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to | egarding installation | cut or drilled er's product information requirements, multi-ply | For flat roofs provide p ponding | proper drainage to prevent | Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Flor Norwalk, CT 06851 (800) 622-5850 | Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS |
| application, and to verify the dimensions and loads. Lumber 3. 1. Dry service conditions, unless noted otherwise 5. | pprovals Damaged Beams must n Design assumes top edg | e is laterally restrained at bearing points to avoid | This design is valic | l until 2/26/2023 | www.metsawood.com/us ICC-ES: ESR-3633 | соттесн |



| | Client: Ben Stout Real Est | | 1/7/2021 | Page 12 of 16 |
|---|---|---|--|---|
| isDesign | Project: | Input by: | - | |
| IsDesign | Address: | Job Nam Project # | e: Lot 13 Forest Ridge : J1220-5669 | |
| DMC Karta C IV/I | 4 760" V 0 960" | | Level: Level | |
| BM6 Kerto-S LVL | 1./50 X 9.250 | 2-Ply - PASSED | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| •••• | • | • • | • • | • • |
| | | | | ÷ |
| • • • | • | • • | • | • <u>+</u> <u>¥</u> // _ |
| 1 SPF End Grain | | | 2 SPF End Gra | |
| / | | 8'7" | | 3 1/2" |
| | | | | |
| | | 8'7" | | I |
| | | | | |
| Multi-Ply Analysis | | | | |
| Fasten all plies using 2 rows of 10d | Box nails (.128x3") at 12" | o.c Maximum end distance n | ot to exceed 6" | |
| Capacity 0.0 % | | | | |
| Load 0.0 PLF Yield Limit per Foot 163.7 PLI | F | | | |
| Yield Limit per Fastener 81.9 lb. | | | | |
| Yield Mode IV | | | | |
| Edge Distance 1 1/2" Min. End Distance 3" | | | | |
| Load Combination | | | | |
| Duration Factor 1.00 | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | sizele | C. For flat roafs my de manage d' | Manufacturer Info | Comtech, Inc. |
| Notes chem Calculated Structured Designs is responsible only of the Handli | ing & Installation | 6. For flat roofs provide proper drainage to prevent ponding | Metsä Wood | 1001 S. Reilly Road, Suite #639 Fayetteville, NC |
| structural adequacy of this component based on the 1. LVL b design criteria and loadings shown. It is the 2. Refer | beams must not be cut or drilled r to manufacturer's product information | | 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 | USA 28314 910-864-TRUS |
| | rding installation requirements, multi-ply ning details, beam strength values, and code ovals | | (800) 622-5850 www.metsawood.com/us | |
| Lumber 3. Dama 4. Desid | aged Beams must not be used an assumes top edge is laterally restrained | | ICC-ES: ESR-3633 | |
| | de lateral support at bearing points to avoid al displacement and rotation | This design is valid until 2/26/2023 | | сотесн |



| | Client: | Ben Stout Real Es | ate | Date: | 1/7/2021 | Page 14 of 1 |
|---|--|--|-----------------------------------|---------------------------------|--|---|
| | Project: | | | Input by | : David Landry | - |
| isDesign | Address: | | | | me: Lot 13 Forest Ridge | |
| | | | | Project | #: J1220-5669 Level: Level | |
| GDH Kerto-S LVL | . 1.750" | X 11.875" | 2-Ply - | PASSED | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| • • • • | • • | • • | • • | • • | • • • • | |
| | | | | | | ↓ ↓ 11 7/8" |
| | • • | • • | • • | • • | • • • • | ▲ Ш → |
| 1 SPF End Grain | | | | | 2 SPF En | d Grain // |
| × | | | 16'10" | | | 3 1/2" |
| / <u>/</u> | | | 16'10" | | | |
| 1 | | | 10 10 | | | I |
| | | | | | | |
| Multi-Ply Analysis | | | | | | |
| Fasten all plies using 2 rows o | of 10d Box nails | (.128x3") at 12" | o.c Maximu | um end distance | not to exceed 6" | |
| Capacity 0. | .0 % | | | | | |
| | .0 PLF 63.7 PLF | | | | | |
| | 1.9 lb. | | | | | |
| Yield Mode IV | / | | | | | |
| - | 1/2" " | | | | | |
| Min. End Distance 3' Load Combination | | | | | | |
| | .00 | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Notoo | chemicals | | 6 For flat roofs are | ride proper drainage to prevent | Manufacturer Info | Comtech, Inc. |
| Notes Calculated Structured Designs is responsible only of the | Handling & Installa | | 6. For flat roots prov ponding | to proper urainage to prevent | Metsä Wood | 1001 S. Reilly Road, Suite #639 Fayetteville, NC |
| structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to | 2. Refer to manufact | urer's product information | | | 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 | USA 28314 910-864-TRUS |
| responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads. | | n requirements, multi-ply m strength values, and code | | | (800) 622-5850 www.metsawood.com/us | 510-00 1 -1105 |
| Lumber | approvals 3. Damaged Beams must 4. Design assumes top ed | not be used Ige is laterally restrained | | | ICC-ES: ESR-3633 | |
| Dry service conditions, unless noted otherwise LVL not to be treated with fire retardant or corrosive | 5 Provide lateral support | t at bearing points to avoid | This design is | valid until 2/26/2023 | | соттесн |
| | | | design 15 | | 1 | |



| is | Design | | Client: Project: Address: | Ben Stout Real E | state | lı J | Date: nput by: ob Name Project #: | 1/7/2021 David Landry 2: Lot 13 Forest Ridge J1220-5669 | Page 16 of 16 |
|--|------------|---------------|---------------------------------|------------------|------------|--------------|--|--|--|
| GDH2 | S-P-F | #2 | 2.000" | X 10.000" | 2-Ply | | | Level: Level | |
| | | | | | | | | | |
| | | | | | | | | | |
| | • | • | • | • | • | • | | • • • | |
| • | ٠ | • | • | • | • | • | | • • • | 9 1/4" |
| 1 SPF E | nd Grain | | | | 9'10" | | | 2 SPF End G | Grain |
| <i> </i> | | | | | 9'10" | | | | |
| Multi-Ply A | - | | | (400.00) (40) | | | | | |
| Fasten all plu Capacity Load | es using 2 | rows of 0.0 9 | % | (.128x3") at 12 | o.c Maximi | um end dista | ance no | ot to exceed 6" | |
| Yield Limit per Fo Yield Limit per Fa | | 157. 78.7 | 4 PLF | | | | | | |
| Yield Mode Edge Distance | | IV 1 1/2 | 2" | | | | | | |
| Min. End Distand Load Combinatio | | 3" | | | | | | | |
| Duration Factor | | 1.00 | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | Γ | Manufacturer Info | Comtech, Inc. 1001 S. Reilly Road, Suite #639 |
| | | | | | | | Γ | | Fayetteville, NC USA 28314 |
| | | | | | | | | | 910-864-TRUS |

соттесн