

Lake City (386) 755-3611 Fax (321) 233-0265 aspenpc@gmail.com

Certificate of Compliance for Termite Protection (as required by Florida Building Code (FBC) 1816.1.7)

State Certification # - JF104376 State License # - JB182948 Aspen Pest Control, Inc. (386) 755-3611

Gilcheist Residence -Address of Treatment or Lov/Block of Treatment

Soil Barrier

(Method of Termite Prevention Treatment - Soil Barrier, Wood Treatment, Bait System, Other

Horizontal, Vertical and Exterior Treatment

Description of Treatment

prevention of subterranean termites. Treatment was done in accordance with the rules and laws established by the Florida Department of Agriculture and The above named structure has received a complete treatment for the Consumer Services.

Authorized Signature

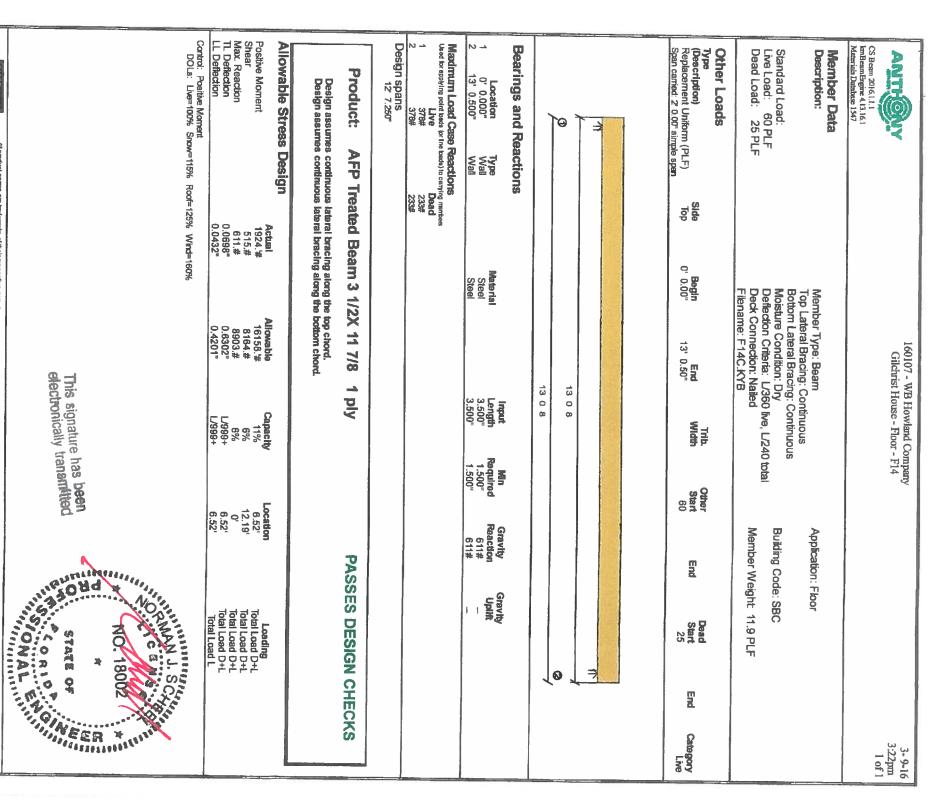




					RICHTS RESERVED	Stong-Tie Company Inc. Al	re product leating end usuarriants of utural teappeary Inc. ALL RIGHT'S RESERVED. Copyright (C) 2016 by Simpa on Strong-Tie Company Inc. ALL RIGHT'S RESERVED.	Strong-Tie co	ic v
EER	ONAL SOLUTION OF THE PARTY OF T	Arthurson	entited	This signature has been electronically transmitted	This elect	WINTHA 930 OF PAINTEN	Show=115% Roof=125% Wind=160% COUNTY BUILDING FILE COPY STANMINE PROSPERSION COMPLIANCE AND COMPLIANCE A	s: Live=100% Sr	DOL
	Loading Total Load D+L	Location 2.24' 0.23' 0' 2.24' 2.24'		Capacity 3% 2% 10% L/999+ L/999+	Allowable 44800.\# 16800.\# 13598.\# 0.2021\" 0.1347\"	Actual 1388.# 467.# 1374.# 0.0034" 0.0023"		Positive Moment Shear Max, Reaction TL Deflection LL Deflection	Positi Shear Max. TL De
CHECKU		720000000000000000000000000000000000000				bracing along the	us lateral	Design assumes continuo Design assumes continuo Allowable Stress Design	E
		DACC		piv	× 16 1	Beam 5 1/4	AFP Treated	Product:	
							Reactions bads) to carrying members Dead 433# 439#	## 6 # C	Mag
	Gravity Upliff:	Gravity Reaction 1374# 1374#	Win Required 1.500"	Input Length 3.500"		Waterial Steel Steel	Reactions Type Wall Wall Wall	Bearings and Re Location 1 0' 0.000" 2 4' 5.750"	2 - 0
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End Category Live	Dead Start 193	End	Other Start 463	Trib.	End 4' 5.75"	8egin 0' 0.00"	Side PLF) Top ple spen	Type (Description) (Description) Replacement Uniform (PLF) Span carried: 15 0.03" simple span	Spa P Sy
								Other Loads	Q
	e: SBC ight 24.5 PLF	Building Code: S Member Weight	us 40 total	Bottom Lateral Bracing: Continuous Moisture Condition: Dry Deflection Criteria: L/360 live, L/240 total Deck Connection: Natled Filename: F6A.KYB	Bottom Lateral Bracing: (Moisture Condition: Dry Deflection Criteria: L/360 Deck Connection: Nafled Filename: F6A.KYB	Botto Mois Deft Dect	ी जेग	Standard Load: Live Load: 60 PLF Dead Load: 25 PLF	D L St
	iloor	Application: Floor		Member Type: Beam Top Lateral Bracing: Continuous	nber Type: Be: Lateral Bracin	Men Top		Member Data Description:	P 3
3~ 9-16 3:07pm 1 of 1			`л. F6	160107 - WB Howland Company Gilchrist House - Floor - F6	160107 Gileb			CS Beam 2016.1.11 IonBeamEngine 4.13.16.1 Materials Database 1.547	CS H IomB Mate

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"Peasing is defined or when the marker, floor joist, bearnor girder, shown on the drawing meets applicable design critise for Loads, Loading Conditions, and Spans Isted on this sheet. The design must be reviewed by a qualified direction of design professional or required for approval. This design sessions and successful to the respiratory to the respiratory of the provided by a qualified direction of the provided by a qualified by a qualifie





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""Pessing is defined as when the member, floor joist, beam or gider, shown on this drawing mashs applicable design criteria for Loads, Loading Conditions, and Sparts Islad on this sheet. The design mast be two level by a qualified design professionales required for approval. This design criteria product installation according to the manufacturer's specifications.

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FEE	A	O A	ing Marine	is been named	This signature has been electronically transmitted	Tris				
A * market	1800Z	NO. 18002	d 2				/ind=160%	Control: LL Deflection DOLs: Live=100% Snow=115% Roof=125% Wind=180%	100% Snow=	Control: Lt Defie DOLs: Live=1
	M D+L	Loading Total Load D+L Total Load D+L Total Load D+L Total Load D+L Total Load L+L	Location 7' 0.23'	000	Capacity 54% 27% 29% 1/441 1/645	Allowable 24678.\(\pi\) 12469.\(\pi\) 13598.\(\pi\) 0.6781\(\pi\) 0.4521\(\pi\)		Jesign Actual 13565 13565 3417 J 4001 J 0.3684 0.2521	T Stress	Positive Moment Shear Max. Reaction TL Deflection LL Deflection
							racing along the t	Design assumes continuous lateral bracing along the top chord. Design assumes continuous lateral bracing along the bottom chord.	1 assumes c	Design Design
CKS	DESIGN CHECKS	PASSES DES	PAS		1 ply	1/4X 11 7/8	Beam 5 1/4	AFP Treated	!!	Product:
								Maximum Load Case Reactions Used for applying point bads (or ine bads) to carrying members Live Dead 1 2738# 1263# 2 2738# 1263#	ad Case Re nt backs for Ine bas Live 2738# 2738#	Maximum Lo. Used for applying poir
		Gravity Uplint	Gravity Reaction 4001# 4001#	Min Required 1.500"	Input Length 3.500"		Matorial Steel Steel	ictions Type Wall Wall	and Reac	Bearings and Reactions Location Type 1 0' 0.000" Wall 2 14' 0.000" Wall
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d Category	m nd	Dead Start 168	m Pad	Other Start 404	Trlb. Width	14' 0.00"	Begin 0' 0.00"	Side LF) Top	eds Uniform (PL	Other Loads Type (Description) Replacement Uniform (PLF) Span carried: 13' 0.04" simple span
	<u></u>	Hoor de: SBC eight 18.0 PLF	Application: Floor Building Code: SBC Member Weight 18	s O total	Continuous Continuous Trg: Continuou Try	Top Lateral Bracing: Continuous Bottom Lateral Bracing: Continuous Bottom Lateral Bracing: Continuous Moisture Condition: Dry Deflection Criteria: L/360 live, L/240 total Deck Connection: Nailed Filename: F16B.KYB	Top L Bottor Moist Deflec Deck (Filena		oad: 60 PLF 25 PLF	Standard Load: Live Load: 60 Dead Load: 2
		!							Data	Member Data
3-9-16 3:15pm 1 of 1				mpany F14	160107 - WB Howland Company Gilchrist House • Floor • F14	160107 - V Gilchrist			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CS Beam 2016.1.11 kmBeumEngine 4.13.16.1 Meterials Detablase 1547

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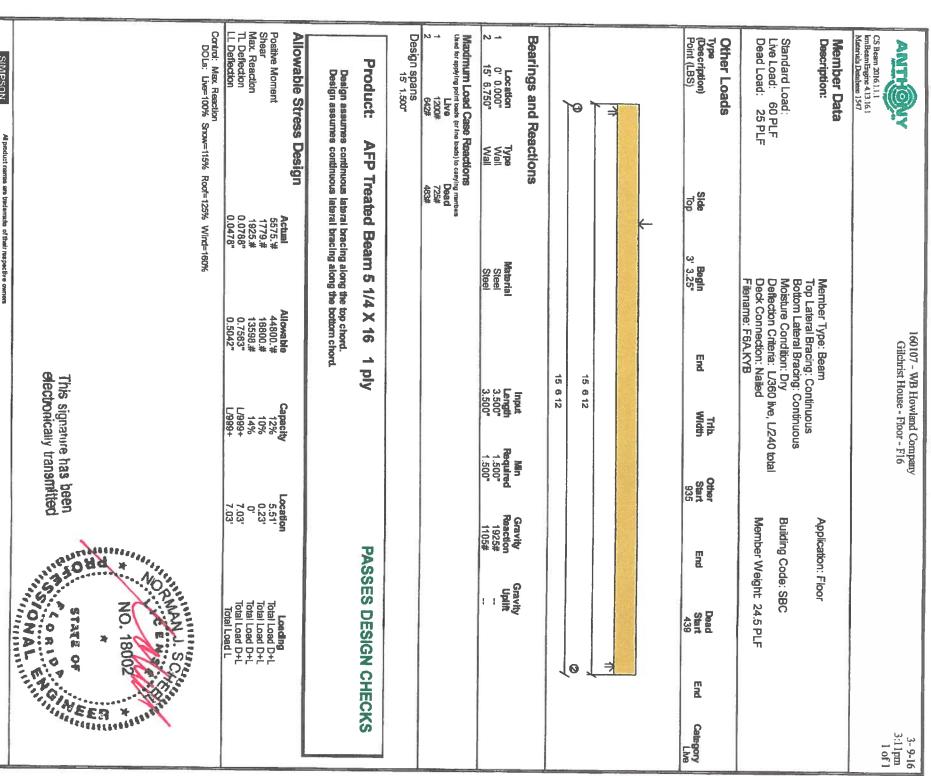
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"Passing is defined as when the member, there just beamer girder, shown on this drawing made applicable design critical for Loads, Loading Conditions, and Spans isted on this sheet. The design must be reviewed by a qualified design professional as required for approval. This design are summa product instability according to the manufacturer's specifications.

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"Pessing is defined as when the member, floor jelst, beamong inter, shown on this shown on the dawing meets applicable design criteria for Loads, Loading Conditions, and Spans lated on this short. The design must be reviewed by a qualified designer or design probastorals a required by approved. This design as sumes product installation according to the manufacturar's specifications.





LP Job

71972

March 10, 2016

	25	Drawings		
including cover shee	26 inc	Pages	Seals Required	Re:
	800.515.7570	Phone:	916.536.9585	Phone:
	866.753.4369	Fax:	916.536.0267	Fax:
/ Tuong Banh	LP EWP Engineering / Tuong Banh	From:	Norman Scheel Struct. Engg.	To:

We are sending you the following items:

X CALCULATIONS
REPAIR DETAILS

X OTHERS (SEE NOTES BELOW)

160107 - WB Howland Company - Glichrist House

impression

Request

Job Name:

Mail AND fax/email copy to us Fax or email scanned copy to:

Woodford Plywood, Inc. Attn: Clete Wilkerson

email:

cwilkerson@woodfordplywood.com

Albany, GA 31705 1504 S. Mock Rd.

Pls. mail original seals to:

3 copies

Derek Ballard c/o WB Howland Co

610 11th Street

Live Oak, FL 32064

Notes:

Tel: Fax:

(229) 888-4381 (800) 342-6400

(386) 362-1235

414 Union St, Suite 2000 Nashville, TN 37219 LOUISIANA-PACIFIC CORPORATION

EWP.Design@lpcorp.com

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160107 - WB Howland Company - Gilchrist House - Roof - D18 Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design NOTE: 2015.2 Allowable Simsa Design

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
AUNAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT, I DISCLAIMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.

2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTICH OR DRILL LP LYL.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LP LYL
TO SIZE. LOAD TABLE 3 PLIES 1.750 X 14.000 LP LVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) 20 15 35 LIVE LOAD LDF LABEL TOTAL LOAD ROOF LEFT SPAN CARR. ROOF RIGHT SPAN CARR. 0.90 DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # PR-1280 ESR-2403 RR-25783 11518-R FL15228 TO SIZE
 THIS UP LIVE IS TO BE USED AS A ROOF BEAM ONLY.
 MAKE PROVISION FOR ADEQUATE DRAINAGE.
 T. PROVIDE ANCHORAGEAT SUPPORTS TO RESIST SLIDING COMPONENT OF LOAD.
 B. COMPRESSION EDGE BRACING REQUIRED AT APA ICC-ES LADBS MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. CCMC Florida ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS. EACH END OF COMPONENT. NO. 18002

NO. 18002

STATE OF DESIGN ASSUMES ALL "TOP" LOADS ARE DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, BUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 18d (3-1/2") NAULS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS, FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 18d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS, NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DAMAFER OF D. 131". 16d SINKERS (3-1/4") MAY BE USED. THIS LVL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (6.25 SQ FT) (3-1/4°) MAY BE USED. 3.00 SUPPORT REACTIONS (LBS):
MAXIMUM BEARING NUMBER
1 2 1097 1097 5.250 CROSC SECTION MIN BEARING SIZES (IN-EX) THIS DRAWING IS NOT TO SCALE Handling & Erection LP® SolidStart® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products 2015.2 Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed an installed by others. No loads are to be applied to the component until offer all the framing and frastering are completed. An otime shall back greater than design loads be applied to the component. Do not out, notoh, driff or atter LP SoldStart LSL, LVL and I-Joists except as shown in published restorial from LP. Any use of LP SoldStart LSL, LVL and I-Joists contrato the infits set forth hereon, negates any express warranty of the product and LP disclaims all implied warranties including the implied warranties of marchantability and fitness for a patiouter use. 03/10/16 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.516.7670 Fax 858.753.4369

71972

1 of 25

DWG

SHEET #_

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The design and material specified ere in substantial conformity with the latest revisions of NDS.* Dead load deflection includes adjustment factor for creep. Total load deflection is instantaneous.

Design Criteria

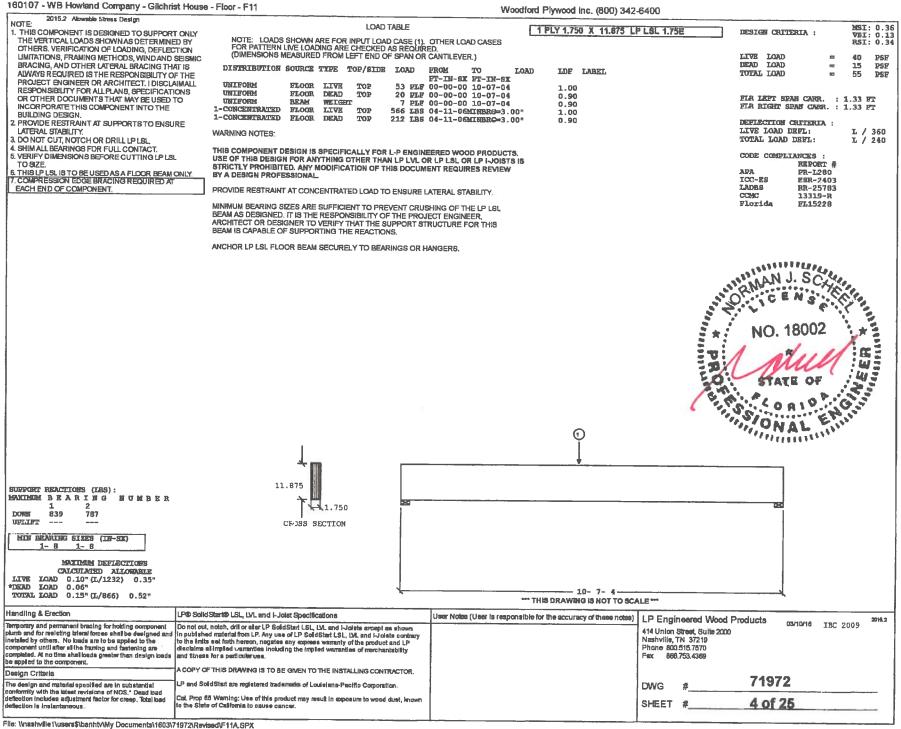
A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.

Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer,

LP and SoldStart are registered trademarks of Louistana-Pauliic Composition.

160107 - WB Howland Company - Gilchrist House	e - Roof - F08		We	odford Plywood Inc. (800) 342	N6400		
NOTE: 2015.2 Allowable Stress Design		LOAD TABLE					107 0 0
THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWN AS DETERMINED BY OTHERS. VERIFICATION OF LOADING, DEFLECTION		VN ARE FOR INPUT LOAD CASE (1).		1 PLY 1.750 X 11.875 L	LVL2900Fb-2.0E	DESIGN CRITERIA:	MSI: 0.0 VSI: 0.0 RSI: 0.0
LIMITATIONS, FRAMING METHODS, WINDAND SEISMIC BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE		FRED FROM LEFT END OF SPAN OR TYPE TOP/SIDE LOAD	CANTILEVER.) FROM TO	LOAD LDF LARKL		LIVE LOAD = DEAD LOAD = TOTAL LOAD =	20 PSF 15 PSF 35 PSF
PROJECT ENGINEER OR ARCHITECT, I DISCLAIMALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS	TRAPESOIDAL ROC TRAPESOIDAL ROC		FT-IN-SX FT-IN-SX 02-09-15 05-06-09 00-00-00 02-09-15	40 PLF 1.25		ROOF LEFT SPAN CARR.	: 0.00 FT
OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.	TRAPEZOIDAL ROC TRAPEZOIDAL ROC	F DEAD TOP 0 PLF F DEAD TOP 0 PLF	02-09-15 05-06-09 00-00-00 02-09-15	40 PLF 1.25 30 PLF 0.90 30 PLF 0.90		ROOF RIGHT SPAN CARR. DEFLECTION CRITERIA:	
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.	UNIFORM BEJ WARNING NOTES:	M WEIGHT 6 PLF	00-00-00 05-06-09	0.90		LIVE LOAD DEFL: TOTAL LOAD DEFL:	L / 360 L / 240
3. DO NOT CUT, NOTCH OR DRILL LP LYL 4. SHIMAL BEARINGS FOR FULL CONTACT; 5. VERIFY DIMENSIONS BEFORE CUTTING LP LYL TO SIZE. 6. THIS LP LYL IS TO BE USED AS A ROOF BEAM ONLY, MAKE PROVISION FOR A DEQUATE LIRAINAGE. 7. PROVIDE ANCHORAGEAT SUPPORTS TO	STRICTLY PROHIBITED. A BY A DESIGN PROFESSIO		OR LP LSL OR LP I-JOIST: IENT REQUIRES REVIEW	3. IS		CODE COMPLIANCES: REPORT # APA PR-1280 ICC-ES ESR-2403 IADBS RR-25783 CCMC 11518-R	ı
RESIST SLIDING COMPONENT OF LOAD. 8. COMPRESSION EDGE BRACING REQUIRED AT EACH END OF COMPONENT.	ARCHITECT OR DESIGNER	ARE SUFFICIENT TO PREVENT CRU THE RESPONSIBILITY OF THE PRO, TO VERIFY THAT THE SUPPORT ST PORTING THE REACTIONS,	IECT ENGINEER			Florida FL15228	
	PROVIDE ANCHORAGE FO PROVIDED BY PROJECT D	R UPLIFT AT SUPPORTS, ANCHORA ESIGNER.	GE DETAIL TO BE				
	ANCHOR LP LVL ROOF BE	AM SECURELY TO BEARINGS OR HA	ANGERS.				
	THIS LVL BEAM HAS BEEN LOAD ACTING OVER 2.5 X	DESIGNED TO SUPPORT A 300 LBS 2.5 FT (6.25 SQ FT)	CONCENTRATED				
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SUPPORT REACTIONS (LBS): MAXIMUM BEARING NUMBER	11.875	-				"Hereines	•
1 2 DOWN 296 71 UPLIFT 58	CROS	S SECTION					
MIM BEARING SIMES (IN-EX)	Oliob	S SECTION					
MANCINUM DEFLECTIONS LIEFT CA	NTILLEVER						
LIVE LOAD 0.00" (L/10700) 0.20" 0.00"	ALLOWABLE 0.20"		2- 9-15	2- 8-1	10		
DEAD LOAD 0.00" 0.00" 0.00" 0.00" 0.00"	0.30	\	*** THIS DI	5- 6- 9			
	dStart® LSL, LVL and I-Joint Sp		7	naible for the accuracy of these notes)	LP Engineered Wood	Products	2016.2
installed by others. No loads are to be applied to the initial objects of the component until after all the framing and fastening are completed. An office shall be deep lead to the component.	ed material from LP. Any use of LP is set forth hereon, negates any so all implied wananties including the s for a particular use.	press warranty of the product and LP implied warranties of merchantability		· · · · · · · · · · · · · · · · · · ·	414 Union Struet, Suite 2000 Neshville, TN 37219 Phone 800.515.7570 Fax 866.763.4389	ostwie TBC	2009
Design Criteria A COPY C		TO THE INSTALLING CONTRACTOR.				71972	
conformity with the latest revisions of NDS.* Dead load description includes adjustment factor for creap. Total load Cal. Prop (old Start are registered trademarks 85 Warning: Use of this product m is of California to cause cancer,	of Louisians-Pacific Corporation. By result in exposure to wood dust, known			DWG #	2 of 25	
						- VI - V	
File: \\nashvilie1\users\$\banhtvMy Documents\1603\71972\Rev	rseov-u6.8PX						

160107 - WB Howland Company - Glichrist Ho	use - Floor - F6	Woodford Plywood Inc. (800) 342-6	1400
NOTE: 2015.2 Alloy-able Stress Design	LOAD TABLE		10T. 0.40
THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWN AS DETERMINED BY OTHERS. VERIFICATION OF LOADING, DEFLECTION	Y NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LOADING ARE CHECKED AS REQUIRE TO THE PATTERN LIVE LIVE LIVE LIVE LIVE LIVE LIVE LIVE		RSI: 0.31
UMITATIONS, FRAMING METHODS, WIND AND SEISM BRACING, AND OTHER LATERAL BRACING THAT IS	DISTRIBUTION COURSE TWO MODISTON TOTAL		LIVE LOAD # 40 PSF DEAD LOAD # 15 PSF
ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT I DISCLAIMAL		FROM TO LOAD LDF LAREL FT-IN-SX FT-IN-SX	TOTAL LOAD = 55 PSF
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE	UNIFORM FLOOR DEAD TOP 77 FLF	00-00-00 05-04-10 1.00 00-00-00 05-04-10 0.90 00-00-00 05-04-10 0.90	EIR LEFT SPAH CARR. : 5.64 PT FIR RIGHT SPAH CARR. : 4.63 PT
BUILDING DESIGN. 2 PROVIDE RESTRAINT AT SUPPORTS TO ENSURE	WARNING NOTES:		DESIRCATION CRUTERIA :
LATERAL STABILITY. 3. DO NOT CUT, NOTCH OR DRILL LP LSL.	THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINE	ERED WOOD PRODUCTS.	LIVE LOAD DEFL: L / 360 TOTAL LOAD DEFL: L / 240
4. SHIM ALL BEARINGS FOR FULL CONTACT. 5. VERIFY DIMENSIONS BEFORE CUTTING LP LSL	USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OF STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUME BY A DESIGN PROFESSIONAL.	R LP LSL OR LP 1-JOISTS IS ENT REQUIRES REVIEW	CODE COMPLIANCES :
TO SIZE. 6. THIS LIP LIST IS TO BE USED AS A FLOOR BEAM ONLY.		THE OF THE LEVE	REPORT # APA PR-L280
7. COMPRESSION EDGE BRACING REQUIRED AT EACH END OF COMPONENT.	BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJ ARCHITECT OR DESIGNET TO VERIFY THAT THE SUPPORT ST BEAM IS CAPABLE OF BUPPORTING THE REACTIONS.	ECT ENGINEED	ICC-ES ESR-2403 LADBS RR-25783 CCMC 13319-R
	ANCHOR LP LSL FLOOR BEAM SECURELY TO BEARINGS OR H	ANGERS	Florida FL15228
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SUPPORT REACTIONS (LBS): MAKEDEAN BEARING NUMBER	—		
DOWN 778 778	1.750		285
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MIN BEARING SIRES (IN-SX) 1-8 1-8			
MAXIMIM DEFLECTIONS			
CALCULATED ALLOWANIE LIVE LOAD 0.01"(L/4942) 0.18"			
*DEAD LOAD 0.01" TOTAL LOAD 0.02" (L/3511) 0.26"		5- 4-10	
		*** THIS DRAWING IS NOT TO SCALE ***	
Temporary and permanent bracing for holding component. To no	Solid Start® LSL, LVL and I-Joist Specifications of cut, notch, drill or atter LP Solid Start LSL, LVL and I-Joists except as shown		LP Engineered Wood Products 03H0/16 IBC 2009 2015.2
[plumb and for resisting Exercitorces shall be designed and [in pub	Mahad material from LP. Any use of LP SoldStart LSL, LM. and Notate except as shown Mahad material from LP. Any use of LP SoldStart LSL, LM. and Notate contrary limits set forth harmon, negates any express warranty of the product and LP		414 Union Street, Suite 2000 Nashville, TN 37219
component until after all the framing and featening are disclared completed. At no time shall leads greater than design leads and sit	ines at Implied warranties including the implied warranties of merchantability trees for a particular use.		Phone 800,515,7570 Fax 866,753,4369
be applied to the component.	PY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.		
The design and material specified are in substantial LP and	d SolidStart are registered trademarks of Louisiens-Pacific Corporation.]	DWG # 71972
conformity with the latest revisions of NDS.* Oesd load deflection includes adjustment factor for creep. Total load	rop 65 Warning: Use of this product may result in stoppure to wood dust length		
deflection is instantaneous, to the	State of California to cause cancer.		SHEET # 3 of 25
File: \\nashville1\users\$\banhtv\My Documents\1603\71972\	Revised\FD6B.SPX		



160107 - WB Howland Company - Glichrist House - Roof - F14 Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design NOTE 2019.2 Allowable Stress Design

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
2 PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY. MSI: 0.14 VSI: 0.11 RSI: 0.19 3 PLIES 1.750 X 16.000 LP LVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). LOAD TABLE DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1), OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED, (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) LIVE LOAD DEAD LOAD TOTAL LOAD 20 15 35 DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD FROM | LOAD | FROM TO | FT-IN-SK FT-IN-SK | FT-IN PSF PSF LDF LABEL LIVE TOP DEAD TOP WEIGHT 1.25 ROOF LEFT SPAN CARR. ROOF RIGHT SPAN CARR. 0.90 DEFIRCTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: L / 360 L / 240 LATERAL STABILITY:

3. DO NOT CUT, NOTICH OR DRILL LP LVL.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LP LVL.
TO STORE. THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # PR-L280 ESR-2403 RR-25783 11518-R FL15228 APA ICC-ES LADBS 6. THIS LP LVL IS TO BE USED ASA ROOF BEAM ONLY.
MAKE PROVISION FOR ADEQUATE DRAINAGE.

7. COMPRESSION EDGE BRACING REQUIRED AT MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. CCMC Florida EACH END OF COMPONENT. DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 16d (3-1/2?) NAILS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS, NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED. ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS. THIS LVL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (6.25 SQ FT) NO. 18002

NO. 18002

STATE OF 12 0 SUPPORT REACTIONS (LBS): MAXIMUM BEARING NUMBER 1 2 2645 2645 3.500 MIN BEARING SIZES (IN-EX) HAXIMUM DEFLECTIORS
CALCULATED ALLOWABLE
LIVE LOAD 0.05" (L/3203) 0.46"
*TOTAL LOAD 0.10" (L/1714) 0.69" 14- 0- 0-*** THIS DRAWING IS NOT TO SCALE *** LP® SolidStart® LSL, LVL and I-Joist Specifications Handling & Erection User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Temporary and permanent brasing for holding component plumb and for resisting lateral forces shall be designed and inestated by others. No loads are to be applied to the component until after all the framing and fastening are completed. At no time shall badd greater than design bads be applied to the component. Do not cut, notoh, drill or alter LP SolidStart LSL, LM. and i-Joists except as shown In published resterial from LP. Any use of LP SolidStart LSL, LM. and i-Joists contrary to the Irrits sat forth hereon, negaties any express warranty of the product and LP disclaims all implied warranties including the implied warranties of merchantability and fitness for a perficular use. 03/10/18 TRC 2005 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 866.753.4369 COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria 71972 The design and material specified are in substantial conformity with the latest revisions of NDS: Dead load deflection includes educations factor for creep. Total load deflection is instantaneous. LP and SolidStart are registered tradements of Louisiana-Pacific Corporation. DWG Cal. Prop 65 Waming: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer. 5 of 25 SHEET #

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160107 - WB Howland Company - Glichrist House - Floor - F14 Woodford Plywood Inc. (800) 342-8400 2015.2 Allowable Stress Design 2015.2 Allowable Stress Design

NOTE:

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS, VERIFICATION OF LOADING, DEFLECTION
UMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LP LYL
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LP LYL
TO SIZE. LOAD TABLE 3 PLIES 1.750 X 18.000 LP LVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). MSI: 0.23 VSI: 0.18 RSI: 0.27 DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) 40 15 55 PSE PSE PSE FLOOR LIVE LOAD FLOOR DEAD LOAD DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD PROM TO

WILFORM FLOOR LIVE TOP 311 PLF 00-00-00 13-06-12
UNIFORM FLOOR DEAD TOP 117 PLF 00-00-00 13-06-12
UNIFORM WALL DEAD TOP 80 PLF 00-00-00 13-06-12
UNIFORM BEAM WEIGHT 24 PLF 00-00-00 13-06-12 LDF LABEL FLOOR TOTAL LOAD 1.00 0.90 0.90 ROOF LIVE LOAD ROOF DEAD LOAD ROOF TOTAL LOAD 20 15 35 PSF PSF 0.90 FIR LEFT SWAW CARR. : 15.56 FT FIR RIGHT SWAW CARR. : 0.00 FT ROOF LEFT SWAW CARR. : 0.00 FT ROOF RIGHT SWAW CARR. : 0.00 FT WARNING NOTES: THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP IJOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: TO SIZE 6. THIS LP LVL IS TO BE USED ABA L / 360 L / 240 MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. COMBINATION ROOF AND FLOOR BEAM ONLY. COMPRESSION EDGE BRACING REQUIRED AT CODE COMPLIANCES : EACH END OF COMPONENT. DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY ATTACH TWO PLIES WITH 3 ROWS OF 16d (3-1/2") NALIS AT 12" COL. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NALIS AT 12" COL. TO THE UN-MAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS. NALIS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0,131". 16d SINKERS (3-1/4") MAY BE USED. REPORT # APA ICC-ES LADBS CCMC PR-1280 BSR-2403 RR-25783 11518-R FL15228 ANCHOR LP LVL ROOF/FLOOR BEAM SECURELY TO BEARINGS OR HANGERS. Florida NO. 18002

NO. 18002

STATE OF 16.000 SUPPORT REACTIONS (LBS):
MAXIMUM BEARING HUMBER
1 2 3608 3608 UPLIFT 5.250 CROSS SECTION MIN BEARING SIZES (IN-EX) MAXIMUM DEFLECTIORS
CALCULATED ALLOWABLE
LIVE LOAD 0.07" (L/2273) 0.44"
*DEAD LOAD 0.07"
TOTAL LOAD 0.12" (L/1330) 0.66" 13- 6-12 *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® SolidStart® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Do not out, notch, drill or alter LP SoldStart LSL, LVL and LJoiete except as shown in published material from LP Any use of LP SoldStart LSL, LVL and LJoiete contrary to the limits set forth hereon, negates any express warranty of the product and LP detaclaims all implied warranties including the implied warranties of merchantability and filmess for a particular use. Temporary and permanent bracing for holding component plumb and for nestating falsent forces shall be designed and installed by others. No loads are to be applied to the component until effer all the faming and fastening are completed. At no time shall load greater than design loads be applied to the component. 2015.2 03/10/16 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570

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The design and material specified are in substantial contomity with the laber revisions of NDS.* Deed load deflection includes adjustment factor for creep. Total load deflection is instantaneous.

Design Criteria

A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.

Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.

LP and Sold Start are registered trademarks of Louisiana-Pacific Corporation

Woodford Plywood Inc. (800) 342-8400 NOTE: 2015.2 Alowable Stress Design

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWNAS DETERMINED BY OTHERS. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT. I DISCLAMMAL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.

2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.

3. DO NOT CUT, NOTCH OR DRILL LP LYL.

4. SHIM ALL BEARINGS FOR FULL CONTACT.

5. VERIFY DIMENSIONS BEFORE CUTTING LE LYL.

TO SIZE. 2015.2 Allowable Stress Design 3 PLIES 1.750 X 16.000 LPLVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES F.STENED TOGETHER (REFER TO NOTES). LOAD TABLE DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) LIVE LOAD DEAD LOAD LDF LABRE LOAD 1.25 0.90 0.90 ROOF LEFT SPAN CARR. : ROOF RIGHT SPAN CARR. : DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL, OR LP LSL OR LP IJOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # APA PR-L280 APA ICC-ES LADES CCMC 6. THIS LP LVL IS TO BE USED AS A ROOF BEAM ONLY. MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. ESR-2403 RR-25783 11518-R PL15228 MAKE PROVISION FOR ADEQUATE DRAINAGE.

7. COMPRESSION EDGE BRACING REQUIRED AT Florida EACH END OF COMPONENT. DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLES WITH 3 ROWS OF 16d (3-1/2*) NAILS AT 12* OC. FROM ONE FACE ONLY. STAGGER ROWS, FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2*) NAILS AT 12* OC. TO THE UN-NAILED BIDE OF THE FIRST TWO PLIES. STAGGER ROWS, NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0, 131". 16d SINKERS (3-1/4") MAY BE USED. ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS. THIS LVL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (6.26 SQ FT) NO. 18002

NO. 18002

STATE OF 12 0 [16.000 SUPPORT REACTIONS (LSS): MAXIMUM BEARING NUMBER 2812 2812 5.250 MIN BEARING SIZES (IR-SX) 3-8 3-8 *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® Solid Start® LSL, LVL and 1-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Temporary and permanent bracing for hotting component plumb and for resisting lateral forces shall be designed an inetalled by others. No loads are to be applied to the component until after all the framing and fastening are completed. An otime shall gload a greater than design loads be applied to the component. Do not cut, notch, driff or siter LP SolidStart LBL, LM. and i-Joiete except as shown in published material from LP. Any use of LP SolidStart LBL, LM. and i-Joiete contrary to the limits set forth hereon, negaties any express warranty of the product and LP disclaims all implied warranties including the implied warranties of merohantability and fitness for a particular use. 03/10/18 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 886.753.4369 COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria 71972 The design and material specified are in substantial conformity with the takest revisions of NDS.* Dead load deflection includes adjustment factor for creep, Total load deflection is instantaneous. LP and SoldStart are registered trademarts of Louisiana-Pacific Corporation. DWG Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the Siste of California to cause cancer. SHEET #_ 7 of 25

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160107 - WB Howland Company - Gilchrist House - Floor - F15 Woodford Plywood Inc. (800) 342-6400 2015.2 Alowable Stress Design NOTE: 2016.2 Advision Screen Design Legist.

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWN AS DETERMINED BY OTHERS. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC BRACING, AND OTHER LATERAL BRACING THAT IS AUWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT, DISCLAIMALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.

2 PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY. 3 PLIES 1.750 X 16.000 LPLVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). LOAD TABLE MSI: 0.07 DESIGN CRITERIA : VSI: 0.05 RSI: 0.17 NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) LIVE LOAD DEAD LOAD TOTAL LOAD 40 15 55 PSF PSF LDF LARKL LOAD 0.90 1.00 FIR LEFT SPAN CARR. : 1.33 FT FIR RIGHT SPAN CARR. : 0.00 FT 0.90 DEFLECTION CRITERIA : WARNING NOTES: LATERAL STABILITY, 3. DO NOT CUT, NOTCH OR DRILL LP LVL LIVE LOAD DEFL: TOTAL LOAD DEFL: L / 360 L / 240 THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LS. OR LP IJOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. 4. SHIM ALL BEARINGS FOR FULL CONTACT. 5. VERIFY DIMENSIONS BEFORE CUTTING LP LVL CODE COMPLIANCES : TO SIZE REPORT # PR-L280 APA ICC-ES LADBS CCMC Florida 6. THIS LP LVL IS TO BE USED AS A FLOOR BEAM ONLY. 7. COMPRESSION EDGE BRACING REQUIRED AT MIMMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. ESR-2403 RR-25783 EACH END OF COMPONENT. 11518-R DESIGN ASSUMES ALL "TOP" LOADS ARE DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVI., SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. FROM ONE FACE ONLY. STASGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED BIDE OF THE FIRST TWO PLIES. STAGGER ROWS. NAILS WAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED. FL15228 ANCHOR LP LVL FLOOR BEAM SECURELY TO BEARINGS OR HANGERS, NO. 18002

NO. 18002

NO. 18002 SUPPORT REACTIONS (LBS): MAXIMUM BEARING HUMBER 1 2 1008 1008 UPLIET DOWN 3.500 5.250 CROSS SECTION MIN BEARING SIZES (IN-EX) 1-8 1- 8 MAXIMUM DEFLECTIONS

14- 3-14 *** THIS DRAWING IS NOT TO SCALE ***

LP Engineered Wood Products

414 Union Street, Suite 2000 Neshville, TN 37219 Phone 800 515 7570 Fax 868 753 4389

DWG

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User Notes (User is responsible for the accuracy of these notes)

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Temporary and permunant bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be appled to the component until offer all the framing and fastening are completed. At no time shall loads greater than design loads be applied to the component.

The design and instetial specified are in substantial conformity with the tatest revisions of NDS: Dead lead defiaction includes adjustment factor for creep. Total lead deficially in its instantaneous.

LP® Solid Start® LSL, LVL and I-Joist Specifications

Do not out, notch, drif or siter LP SoldStart LSL, LVL and I-Jolets except as shown in published material from LP. Any use of LP SoldStart LSL, LVL and I-Jolets contrary to the first set forth hereon, negates any express warranty of the product and LP disclaims all implied warrantes including the implied warrantes including the implied warrantes including the implied warrantes including the implied warrantes.

COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.

Cal. Prop 85 Warning: Use of this product may result in exposure to wood dust, known to the Siste of California to cause cancer.

LP and SoldStart are registered trademarks of Louisiane-Pacific Corporation

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Design Criteria

160107 - WB Howland Company - Glichrist House - Roof - F15 Woodford Plywood Inc. (800) 342-6400 2015 2 Allowable Stress Design NOTE: 2015 2 Allowable Stress Design

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWNAS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.

2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY. 3 PLIES 1.750 X 11.875 LP LVL2900Fb-2.0E DESIG: CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). MSI: 0.06 VSI: 0.04 RSI: 0.04 LOAD TABLE DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) 20 15 35 DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD FROM PSF PSF LOAD FROM TO FT-IN-SK FT-IN-SK 50 FLF 00-00-00 14-06-04 18 FLF 00-00-00 14-06-04 LOAD LDF LABEL WALL DEAD TOP REAM WEIGHT ROOF LEFT SPAN CARR. : 0.00 FT ROOF RIGHT SPAN CARR. : 0.00 FT WARNING NOTES: DEFLECTION CRITERIA : LIVE LOAD DEFL; TOTAL LOAD DEFL; THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP 1-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. L / 360 L / 240 LATERAL STABILITY:
3. DO NOT CUT, NOTCH OR DRILL LP LVL.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LP LVL. CODE COMPLIANCES : REPORT # PR-L280 ESR-2403 5. VERIFY DIMENSIONS BEFORE CUTTING LP LYL.
TO SIZE
6. THIS LP LIVI. IS TO BE USED AS A ROOF BEAM ONLY.
MAKE PROVISION FOR ADEQUATE DRAINAGE.
7. COMPRESSION EDGE BRACING REQUIRED AT
EACH END OF COMPONENT. MINIMUM BEARING SIZES ARE SUFFICIENT TO PRE'ENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHTECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. APA ICC-ES RR-25783 11518-R FL15228 CCMC Florida DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 2 ROWS OF 18d (3-1/2") NAILS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 2 ROWS OF 18d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS. NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DOMETER OF 0.131". 18d SINKERS ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS. THIS LVL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (6.25 SQ FT) NO. 18002

NO. 18002

STATE OF SHANK DIAMETER OF 0.131". 18d SINKERS (3-1/4") MAY BE USED 12 οГ SUPPORT REACTIONS (LBS): MAXIMUM BEARING NUMBER 1 600 600 3,500 UPLIFT CROSS SECTION MIN BEARING SIZES (IN-SX) MAXIMUM DEFIRETIONS CALCULATED ALLOWABLE
LIVE LOAD 0.01"(L/18778) 0.47"
*DEAD LOAD 0.07"
TOTAL LOAD 0.05"(L/3105) 0.71" 14- 6- 4-*** THIS DRAWING IS NOT TO SCALE *** LPS Solid Starts LSL, LVL and i-Joist Specifications Do not cut, notch, drift or atter LP SoldStart LSt, LVI, and I-Joists except as shown in published material from LP. Any use of the PS oldStart LSI., LVI, and I-Joists contrary to the limits set forth hereon, negative any express warranty of the product and LP disclaims all implied warranties including the implied warranties including the implied warranties of marchantability and thress for a particular use. User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Transming at Description of the International Component Improvery and permanent bracing for holding component plumb and for resisting lateral forces shall be designed an installed by others. No loads are to be applied to the component until after aithe framing and featering are completed. At no time shall backs greater than design loads be applied to the component. 2015.2 03/10/16 IBC 2007 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 866.753.4369 COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR Design Criteria The design and material specified are in eubetantial conformity with the latest revisions of NDS.* Dead load deflection includes adjustment factor for areap. Total load deflection is instantaneous. 71972 LP and SolidStart are registered trademarks of Louisiana-Pacific Corporation. DWG # Cal. Prop 65 Warning: Use of this groduat may result in exposure to wood dust, lot to the State of California to cause cancer. SHEET #_ 9 of 25 File: \\nashvllie1\users\$\banhtv\My Documents\1603\71972\Revised\F15B.SPX

Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design NOTE: 2016.2 ACCOMMON STREAM DESIGN

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRANING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
AUWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT, IDISCLAMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN MSI: 0.18 VSI: 0.16 RSI: 0.46 3 PLIES 1.750 X 16.000 LP LVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). LOAD TABLE DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1), OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED, (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) PSE PSE 40 15 55 LIVE LOAD DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD FROM LDF LAREL HOAD FROM TO LOW FT-IN-SX FT-I LOAD TOTAL LOAD UNIFORM
UNIFORM
UNIFORM
UNIFORM
1-CONCENTRATED
1-CONCENTRATED
2-CONCENTRATED
2-CONCENTRATED WALL FLOOR BEAM FLOOR FLOOR FLOOR FLOOR DEAD TOP
LIVE TOP
WEIGHT
DEAD TOP
LIVE TOP
DEAD TOP
LIVE TOP
DEAD TOP 0.90 1.00 FLR LEFT SPAN CARR. : 1.33 FT FLR RIGHT SPAN CARR. : 1.33 FT 0.90 1.00 0.90 1.00 0.90 BUILDING DESIGN DEFLECTION CRITERIA : 2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE 2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.

2. DO NOT CUT, NOTCH OR DRILL LP LYL.

4. SHIM ALL BEARINGS FOR FULL CONTACT.

5. VERIFY DIMENSIONS BEFORE CUTTING LP LYL.

TO SIZE.

6. THIS LP LYL IS TO BE USED ASA FLOOR BEAM ONLY.

7. COMPRESSION EDGE BRACING REQUIRED AT

EACH END OF COMPONENT. L / 360 L / 240 FLOOR LIVE FLOOR DEAD TOTAL LOAD DEFL: 2-CONCENTRATED CODE COMPLIANCES : WARNING NOTES REPORT # APA ICC-ES LADBS PR-L280 ESR-2403 RR-25783 11518-R THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP IJOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY, ATTACH TWO PLIES WITH 3 ROWS OF 16d (3-1/2") NAULS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NAULS AT 12" OC. TO THE UN-NAULED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS. NAULS MAY BE COMMON OR BOX NAULS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED. Florida FL15228 PROVIDE RESTRAINT AT CONCENTRATED LOAD TO ENSURE LATERAL STABILITY. MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. NO. 18002

NO. 18002

TATE OF ANCHOR LP LVL FLOOR BEAM SECURELY TO BEARINGS OR HANGERS. (3-1/4") MAY BE USED.
CONCENTRATED LOADS MUST BE EQUALLY DISTRIBUTED TO ALL PLIES. ADDITIONAL FASTENERS MAY BE REQUIRED 0 **②** BUPPORT REACTIONS (LRS): MAXINUM BEARING NUMBER 2741 2180 DOWN UPLIET 3.500 MIN BEARING SIZES (IN-SX) 1-8 1- B MAKIMUM DISPLECIMENTS CALCULATED ALLOHABLE
LIVE LOAD 0.06" (L/2882) 0.51"
*DEAD LOAD 0.13" (L/1405) 0.77" - 15- 6-12 *** THIS DRAWING IS NOT TO SCALE*** Handling & Erection LP® Solid Start® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Do not out, note, drift or ster LP SoldStart LSt, LM, and I-Joiets except as shown in published material from LP. Any use of LP SoldStart LSL, LM, and I-Joiets contrary to the Imits set forth hereon, negates any express warranty of the product and LP dischars all implied warranties including the implied warranties of merchantability 2015.2 Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No baseds are to be applied to the component until siter all the farming and fastening are completed. At no time shall load a gesiter than design loads be applied to the component. 03/10/16 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 866.753.4369 and fitness for a particular use COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Doelgri Criteria 71972 LP and SolidStart are registered trademarks of Louisians-Pacific Corporation. The dealign and material specified are in substantial conformity with the latest revisions of NDS * Dead load defisection includes adjustment factor for creep. Total bad defisction is instantaneous. DWG Cal. Prop 65 Waming; Use of this product may result in exposure to wood dust, known to the State of California to cause cancer. 10 of 25 SHEET # File: \\nashville1\users\$\banhtv\Wy Documents\1603\71972\Revised\F16A.SPX

160107 - WB Howland Company - Gilchrist House - Roof - F17 Woodford Plywood Inc. (800) 342-6400 2015.2 Alor able Stress Design NOTE:

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS, VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMAL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LP IVI.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
6. VERIFY DIMENSIONS BEFORE CUTTING LP IVI.
TO SIZE. 3 PLIES 1.750 X 16.000 LP LVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). LOAD TABLE DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) 20 15 35 PSF PSF LDF LARRI. LOAD ROOF LEFT SPAN CARR. : 2.00 FT ROOF RIGHT SPAN CARR. : 5.00 FT 1.25 0.90 DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: L / 360 L / 240 THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # PR-L280 ESR-2403 RR-25783 11518-R FL15228 APA ICC-ES LADES CCMC Florida B. VERIFY DIMENSIONS BEFORE CUTTING LP LYL.
TO SIZE.
B. THIS LP LYL IS TO BE USED AS A ROOF BEAM ONLY.
MAKE PROVISION FOR ADEQUATE DRAINAGE.
T. COMPRESSION EDGE BRACING REQUIRED AT
EACH END OF COMPONENT. MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. DESIGN ASSUMES ALL "TOP" LOADS ARE DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 18d (3-1/2") NALS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS. NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED. ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS. THIS LVL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (8.25 SQ FT) NO. 18002

NO. 18002

STATE OF 0 16.000 SUPPORT REACTIONS (LBS):
MAXIMUM BEARING BUMBER 1193 1193 3.500 5.250 MIN BEARING SIZES (IN-SK) 3- 8 3- 8 *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LPS SolidStarts LSL, LVL and I-Julst Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Timpocary and permanent bracing for holding component plamb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after eithe training and fasterling are completed. At no lims shall loads greater than design loads be applied to the component. 2015.2 Do not out, notoh, drift or alter LP SoldStart LSL, LM and I-Joiste except as shown in published material from LP. Any use of LP SoldStart LSL, LM. and I-Joiste contract to the limits set forth hereon, negates any express warranty of the product and LP disclaims all implied warranties including the implied warranties of merchantability and fitness for a particular use. 03/10/18 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fex 886.763,4369 COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria 71972 The design and material specified are in substantial conformity with the latest revisions of NDS.* Dead load deflection includes adjustment factor for creep. Total load deflection is instantaneous. LP and Sold Start are registered trademarks of Louistana-Pacific Corporation. DWG Cat. Prop 65 Weming: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer. SHEET #_ 11 of 25 File: \\nashville1\users5\banhtv\My Documents\1603\71972\Revised\F17A (2).8PX

160107 - WB Howland Company - Gilchrist He	ouse - ricor - F1 /	Woodford Plywood Inc. (800) 34	2-6400
NOTE: 2015.2 Allowable Stress Design 1. THIS COMPONENT IS DESIGNED TO SUPPORT ON THE VERTICAL LOADS SHOWN AS DETERMINED BY OTHERS, VERIFICATION OF LOADING, DEFLECTION	Y NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). FOR PATTERN I IVE I CADING ARE CHECKED AS RECURD.	3 PLIES 1.750 X 16.000 DESIGN CONDISTS OF 3 TOGETHER (PEFER TILL)	D LP LVL2900F5-2.0E DESIGN CRITERIA: MSI: 0.2
UMITATIONS, FRAMING METHODS, WIND AND SESS BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THI	MIC COMMENSOR SOURCE TYPE TOP/SIDE LOAD	CANTILEVER.) PROM TO LOAD LDF LARKI.	FLOOR LIVE LOAD = 40 PS FLOOR DEAD LOAD = 15 PS FLOOR TOTAL LOAD = 55 PS
PROJECT ENGINEER OR ARCHITECT. IDISCIAIMAI RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.	TRAPESOIDAL ROOF LIVE TOP 355 PLF TRAPESOIDAL ROOF DEAD TOF 266 PLF UNIFORM WALL DEAD TOP 80 PLF UNIFORM FLOOR LIVE TOP 33 PLF	FT-IN-SK FT-IN-SK 00-00-00 16-09-14 178 PLF 1.25 00-00-00 16-09-14 133 PLF 0.90 00-00-00 16-09-14 0.90 00-00-00 16-09-14 1.00	ROOF LIVE LOAD == 20 PS ROOF INFAD LOAD == 15 PS ROOF TOTAL LOAD == 35 PS
PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY. DO NOT CUT, NOTCH OR DRILL LP LYL. SHIM ALL BEARINGS FOR FULL CONTACT. VERIFY DIMENSIONS BEFORE CUTTING LP LYL	UNIFORM FLOOR DEAD TOF 20 FLF 2-CONCENTRATED FLOOR LIVE TOF 566 LBS 2-CONCENTRATED FLOOR DEAD TOF 212 LBS 1-CONCENTRATED FLOOR LIVE TOF 1585 LBS	00-00-00 16-09-14 0.90 00-00-00 16-09-14 0.90 05-08-00MINER©=3.00" 1.00 05-08-00MIRER©=3.00" 0.90 11-07-02MINER©=3.00" 1.00	FIR LEFT SPAN CARR. : 1.33 FT FIR RUGHT SPAN CARR. : 1.33 FT ROOF LEFT SPAN CARR. : 0.00 FT ROOF RIGHT SPAN CARR. : 0.00 FT
TO SIZE. THIS LP LVL IS TO BE USED ASA COMENATION ROOF AND FLOOR BEAM ONLY. COMPRESSION EDGE BRACING REQUIRED AT	WARNING NOTES:	11-07-02MIEBRS=3.00" 0.90	DEFLECTION CRITERIA: LIVE LOAD DEFL: L / 36 TOTAL LOAD DEFL: L / 24
DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 16d (3-1/2") NALS AT 12" OC. FROM ONE FACE ONLY, STAGGER ROWS, FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NALS AT 12" OC. TO	THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINE USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUME BY A DESIGN PROFESSIONAL PROVIDE RESTRAINT AT CONCENTRATED LOAD TO ENSURE LI MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUS BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJE ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STR	I LP LSL OR LP NOBTS IS INT REQUIRES REVIEW ATTERAL STABILITY. HING OF THE LP LVL	CODE COMPLIANCES: REPORT ∉ APA PR-1280 ICC-ES ESR-2403 LADES RR-25783 CCEC 11518-R Florida FL15228
THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS, NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0, 131", 164 SINKERS (3-1/4") MAY BE USED. CONCENTRATED LOADS MUST BE EQUALLY DISTRIBUTED TO ALL PLIES. ADDITIONAL FASTENERS MAY BE REQUIRED.	BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. ANCHOR LP LVL ROOF/FLOOR BEAM SECURELY TO BEARINGS		NO. 18002
			TO STATE OF
		<u> </u>	OR AL STATE
SUPPORT REACTIONS (LBS): SAXIMIM BEARING NUMBER 2 2 2 2 1	16.000		
DOWN 6089 5810 UFLIFT MIN REARING SIZES (IN-SX) 3-10 3-7	3.500 3.500 5.250 CROSS SECTION		
MAXIMUM DEFLECTIONS CALCULATED ALLORANTE LIVE LOAD 0.19"(L/1047) 0.55" DEAD LOAD 0.39" TOTAL LOAD 0.39"(L/509) 0.83"		16- 9-14	
andling & Erection 1.Pm	Colid Charles I Cl. 114 and 1 to 40 Co. 18 and 1	*** THIS DRAWING IS NOT TO SC	ALE***
more want personal bracing by beiding personal. Do no	ot out, notch, dril or after LP SoldStart LSL, LVL and I-Joists except as shown	User Notes (User is responsible for the accuracy of these notes)	LP Engineered Wood Products 03/10/16 IBC 2009 2018.2 414 Union Street, Sultin 2000 Nashville, TN 37219
organization of course to the appear of the course of the sample of the sample of the sample of the course of the	a limits set forth hereon, negates any sopress warranty of the product and LP blins all implied warranties including the implied warranties of marchentability filness for a particular use.		Phone 800.516.7570 Fax 866.753,4369
proporent until after as the feating and featering are indicated and the article and the same and featering are are disciplined. At no time shall bades greater than design bade and fit applied to the component.	come as imprecionations including the implied warranties of marchantability		Phone 800.515.7570

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160107 - WB Howland Company - Gilchrist House - Roof - F17 Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design 3 PLIES 1.750 X 11.875 LPLVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). LOAD TABLE NOTE:

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SSISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
AUMAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY SELUSED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LP LYL.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LP LYL.
TO SIZE.
6. THIS LPLYL IS TO BE USED AS A ROOF BEAM ONLY.
MAKE PROVISION FOR ADEQUATE DRAINAGE.
7. COMPRESSION EDGE BRACING REQUIRED AT
LEACH BND OF COMPONENT. MSI: 0.08 VSI: 0.05 RSI: 0.05 . THIS COMPONENT IS DESIGNED TO SUPPORT ONLY DESIGN CRITERIA: NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) LIVE LOAD DEAD LOAD TOTAL LOAD 20 15 35 PSF PSF | DISTRIBUTION | SOURCE | TYPE | TOP/SIDE | LOAD | FROM | TO | FT-IE-SX | FT-IN-SX | FT-IE-SX | FT-LOAD LDF LABEL PSF 70 PLF 0.90 ROOF LEFT SPAN CARR. : ROOF RIGHT SPAN CARR. : 0.00 FT 0.00 FT WARNING NOTES: DEFIRECTION CRETERIA THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN L-P LVL OR L-P LSL OR L-P I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. LIVE LOAD DEFL: TOTAL LOAD DEFL: L / 360 L / 240 CODE COMPLIANCES : REPORT # PR-L280 ESR-2403 MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. APA ICC-ES LADBS RR-25783 CCMC Florida 11518-R FL15228 DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 2 ROWS OF 16d (3-1/2") NAILS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 2 ROWS OF 16d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLES. STAGGER ROWS. NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED. ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS. THIS LYL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (6.25 SQ FT) NO. 18002 (3-1/4") MAY BE USED. WALL THE PROPERTY OF THE PROPE οГ 11.875 SUPPORT REACTIONS (LBS): MAXIMUM BEARING NUMBER 590 714 UPLIFT CROSS SECTION MUN BEARING SIZES (IN-SX) 3-8 3-8 MAXIMUM DEFLECTIONS
CALCULATED ALLORABLE
LIVE LOAD 0.01" (L/14527) 0.54"
*DEAD LOAD 0.11"
TOTAL LOAD 0.09" (L/2203) 0.82" - 16- 7- 8 *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® SolidStart® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Temporary and permanent bracing for holding component plumb and for recisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all the fazzing and feataning are compited. At no time shall loads greater than design loads Do not out, notch, drill or aller LP SoldStart LSL, LM. and I-Joists except as shown in published material from LP. Any use of LP SoldStart LSL, LM. and I-Joists contrary to the striks set forth hereon, negates any express warranty of the product and LP disculture all implied warrantees including the implied warrantee of merchantability and fitness for a particular use. 03/10/16 IBC 2009

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DWG

SHEET #_

71972

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The design and material specified are in substantial conformity with the latest revisions of NDS.* Dead load deflection includes adjustment factor for creep. Total bad deflection is instantaneous. File: \\nashville1\users\$\banhtv\My Documents\1603\71972\Revised\F17B.SPX

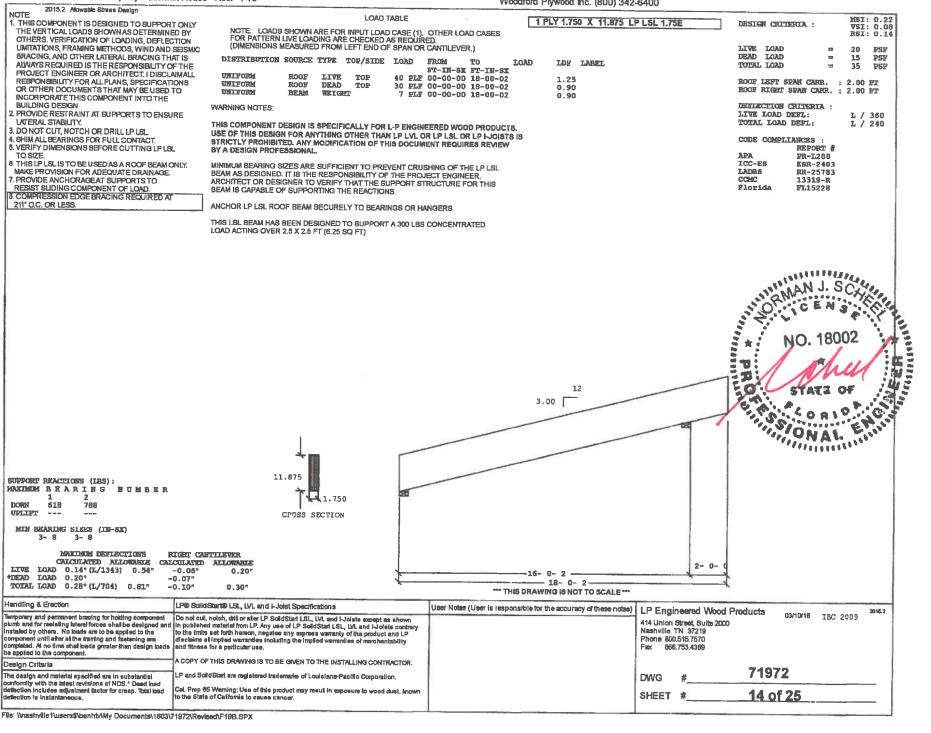
A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.

Cat. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.

.P and SoldStart are registered trademarks of Louisiana-Pacific Corporation.

be applied to the component.

Design Criteria



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160107 - WB Howland Company - Gilchrist H	łouse - Roof - F22	Woodford Plywood Inc. (800) 342-	6400	
NOTE: 2015.2 Allowable Strees Design	LOAD TABLE			0.24
THIS COMPONENT IS DESIGNED TO SUPPORT OF THE VERTICAL LOADS SHOWN AS DETERMINED B OTHERS, VERIFICATION OF LOADING, DEFLECTIO LIMITATIONS, FRAMING METHODS, WIND AND SEIS	NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1).	ED	BENJAN CRITERIA: VSI:	0.08
BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF TH	DISTRIBUTION SOURCE TYPE TOP/STDE TOPD	FROM TO LOAD LDF LABEL	DEAD LOAD = 15	PSE PSE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMA RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO	ALL UNIFORM ROOF LIVE TOP 40 PLF S UNIFORM ROOF DEAD TOP 30 PLF	FT-IN-SX FT-IN-SX 00-00-00 20-07-12 1.25 00-00-00 20-07-12 0.90 00-00-00 20-07-12 0.90	ROOF LEFT SPAN CARR. : 2.00 E	T
INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN	WARNING NOTES:	2.30	DEFICATION CRITERIA : LIVE LOAD DEFI: L / 3	
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY 3. DO NOT CUT, NOTCH OR DRILL LP LSL. 4. SHIM ALL BEARINGS FOR FULL CONTACT. 5. VERIEY DIMENSIONS BEFORE CUTTING IP LSL.	THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINE USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OF STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMED Y A DESIGN PROFESSIONAL	R LP L8L OR LP I-JOISTS IS	TOTAL LOAD DEFL: I / 2 CODE COMPLIANCES : REPORT \$	
TO SIZE. 6. THIS LP LSL IS TO BE USED AS A ROOF BEAM ONLY MAKE PROVISION FOR ADEQUATE DRAINAGE. 7. PROVIDE ANCHORAGEAT SUPPORTS TO RESIST SUDING COMPONENT OF LOAD. B. COMPRESSION EDGE BRACING REQUIRED AT		ECT ENGINEER.	APA PR-1280 ICC-ES BSR-2403 LADBS RR-25783 CCMC 13319-R Florida W115228	
197" O.C. OR LESS.	ANCHOR LP LSL ROOF BEAM SECURELY TO BEARINGS OR HA	ANGERS.		
	THIS LSL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS LOAD ACTING OVER 2.5 X 2.5 FT (6.25 SQ FT)	CONCENTRATED	NO 18002	
			OF CENS	
			* NO. 18002	1
			70 / 1/1/	
			STATE OF	
			180 S. CORIE	
		12	ONAL E.	
		3.00	STATE OF	
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	4			
SUPPORT REACTIONS (LAS); MAXIMUM BEARING NUMBER	11.075	M		
1 2 DOWN 808 BOS	CROSS SECTION			
MIN BEARING SIZES (IN-SX) 3-8 3-8	0.350 0.070			
	T CANTILEVER RIGHT CANTILEVER			
	06" 0.20" -0.06" 0.20" -0.08" 0.20"	16- 7-12	2- 0- 1	;
Handling & Erection	SolidStart® LSL, LVL and I-Joist Specifications	User Notes (User is responsible for the accuracy of these notes)	LP Engineered Wood Products	015.2
Temporary and permanent bracing for holding component plants and for resisting lateral forces shall be designed and ling laterals to be applied to the component until after at the framing and fastaning are	not out, notch, drift or ster LP Sold Start LSL, LM, and I-Joiste except as shown published material from LP. Any use of LP Sold Start LSL, LM, and I-Joiste contrary the limits set forth hereon, negates any express warranty of the product and LP claims of implied warranties including the implied warranties of merchantability of thress for a particular use.		LP Engineered vood Products 03/10/18 IBC 2009 ² 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fex 866.753.4369	w 100.d
Design Criteria AC	COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.		DA/G # 71972	
conformity with the latest applaines of NDS * Deed lead	and SolidStart are registered trademarks of Louisiana-Pacific Corporation. Prop 85 Warning: Use of this product may result in exposure to wood dust, known		DIIG #	-
deflection is instantaneous.	he Siste of California to cause cancer.	}	SHEET # 15 of 25	_

71972

16 of 25

DWG

SHEET #

2015.2 Allowable Stress Design NOTE: 3 PLIES 1.750 X 16.000 LP LVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). THIS COMPONENT IS DESIGNED TO SUPPORT ONLY 1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWN AS DETERMINED BY OTHERS. VERHICATION OF LOADING, DETECTION LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT, I DISCLAIMALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.

2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.

3. DO NOT CUT, NOTCH OR DRILL LP LYL.

4. SHIM ALL BEARINGS FOR FULL CONTACT.

5. VERIFY DIMENSIONS BEFORE CUTTING LP LYL.

TO SIZE. DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFF END OF SPAN OR CANTILEVER.) PSF PSF PSF 20 15 35 DEAD LOAD LDF LABEL TOTAL LOAD 330 PLF 1.25 247 PLF 0.90 ROOF LEFT SPAN CARR. : 0.00 FT ROOF RIGHT SPAN CARR. : 0.00 FT DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP LJOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL CODE COMPLIANCES:

REPORT #

APA PR-1280
ICG-ES ESR-2403
LADBS RR-25783
CCMC 11518-R
Florida FL15228 TO SIZE.

6. THIS LP LIVL IS TO BE USED AS A ROOF BEAM ONLY MAKE PROVISION FOR ADEQUATE DRAINAGE.

7. PROVIDE ANCHORAGEAT SUPPORTS TO RESIST SUDING COMPONENT OF LOAD.

8. COMPRESSION EDGE BRACING REQUIRED AT MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL EEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. 93" O.C. OR LESS. ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS. NO. 18002

NO. 18002

NO. 18002

NO. 18002 DESIGN ASSUMES ALL "TOP" LOADS ARE THIS LVL BEAM HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (6.25 SQ FT) DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVIL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 18d (3-1/2") NAILS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 18d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS. NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131", 16d SINKERS (3-1/4") MAY BE USED. 2.13 16.000 SUPPORT REACTIONS (LBS):
MAXIMUM BEARING HUMBER
1 2 2565 4842 5.250 CROSS SECTION MIN BEARING NIZES (IN-SE) 3-8 3-8 MAXIMUM DEFIECTIONS
CALCULATED ALLOWANIE
LIVE LOAD 0.33" (L/864) 0.79"
*DEAD LOAD 0.45" *** THIS DRAWING IS NOT TO SCALE *** TOTAL LOAD 0.63" (L/452) 1.18" Handling & Erection LP® Solid Start® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be deeligned and installed by others. No loads are to be applied to the component until after all the training and featering are completed. An other shall loads greater then deelign loads be applied to the component. Do not out, notch, drif or after LP SoldStart LSL, LM, and I-Joiets except as shown in published resterial from LP. Any use of LP SoldStart LSL, LM, and I-Joiets contrary to the limits sel forth hereon, regardes any express warranty of the product and LP disclaims all firmjest warrantees including the implied warranties of merchantability and fitness for a particular use. 03/10/16 IBC 1001 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 866.753.4369 A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.

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P and SolidStart are registered trademarks of Louisiens-Pacific Corporation.

Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, kno to the State of California to cause cancer.

The deeign and material specified are in substantial conformity with the latest ravisions of NOS.* Dead bad defiection includes adjustment factor for cresp. Total load defiection is instantaneous.

Design Criteria

160107 - WB Howland Company - Gilchrist House - Floor - F30 Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design NOTE 2019.2 AUWARINE SITES DESIGN

I. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRANKIN METHODS, WIND AND SEISMAC
BRACING, AND OTHER LATERAL REACING THAT IS
AUWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMAL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL ESTARBILITY. LOAD TABLE 3 PLIES 1.750 X 16.000 LP LVL2900Fb-2.0E DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED, (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) 40 15 55 FLOOR LIVE LOAD FLOOR DEAD LOAD LDF LABEL LOAD FLOOR TOTAL LOAD ROOF LIVE LOAD ROOF DEAD LOAD ROOF TOTAL LOAD 20 15 35 PSF PSF PSF 1.00 0.90 0.90 1.25 0.90 0.90 FLR LEFT SPAN CARR. : 13.41 FT FLR RIGHT SPAN CARR. : 0.00 FT ROOF LEFT SPAN CARR. : 0.00 FT ROOF RIGHT SPAN CARR. : 0.00 FT LATERAL STABILITY.

3. DO NOT CUT, NOTCH OR DRILL LP LVL.

4. SHIM ALL BEARINGS FOR FULL CONTACT.

6. VERIFY DIMENSIONS BEFORE CUTTING LP LVL. WARNING NOTES: THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: TO SIZE. 6. THIS LP LVL IS TO BE USED ASA COMBINATION ROOF AND FLOOR BEAM ONLY.

7. COMPRESSION EDGE BRACING REQUIRED AT MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. CODE COMPLIANCES : 165" O.C. OR LESS. REPORT # PR-L280 ESR-2403 RR-25783 11518-R FL15228 DESIGN ASSUMES ALL TTOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVI., SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS. FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS. NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED. APA ICC-ES LADBS CCMC ANCHOR LP LVL ROOF/FLOOR BEAM SECURELY TO BEARINGS OR HANGERS. Florida NO. 18002

NO. 18002

MALE OF (3-1/4") MAY BE USED. SUMPORT REACTIONS (IBS):
MAXIMUM BEARING NUMBER
1 2 3
DOWN 3057 9144 2905 5.250 MIN BEARING SIZES (IN-SX) 3-10 3-8 3-7 MAKIMUM DEFLECTIONS CALCULATED ALLOWARE
LIVE LOAD 0.08" (L/2348) 0.52"
PDEAD LOAD 0.07"
TOTAL LOAD 0.12" (L/1545) 0.78" - 29- 6-12 *** THIS DRAWING IS NOT TO SCALE *** landling & Erection LP® Solid Start® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Temporary and permanent bracing for holding component plumb and for nesisting bases forces shall be designed and installed by others. No loads are bo to appled to the component until after afthe framing and fastening are completed. As no time shall loads greater than design bads be appled to the component. Do not out, notch, drill or abor LP SoldStart LSL, LM. and I-Jolets except as shown in published material from LP. Any use of LP SoldStart LSL, LM. and I-Jolets contrary to the limits set forth hereon, negatise any censes warranty of the product and LP disclaims all larged awarranties including the implied warranties of merchantability and stiness for a particular use. 03/10/16 IBC 2009 414 Union Street, Suits 2000 Nashville, TN 37219

Phone 800.515.7570 866,753,4369

DWG

SHEET #

71972

17 of 25

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The design and material specified are in substantial conformity with the latest ravisions of NDS.* Dead load deflection includes adjustment factor for creep. Total load deflection is instantaneous.

Design Criteria

COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.

Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.

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71972

18 of 25

DWG

SHEET #

2015.2 Allowable Stress Design MSI: 0.19 VSI: 0.19 RSI: 0.60 NOTE:

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
UNITATION, FRAMING METHODS, WIND AND SESMIC
BRACING, AND OTHER LATERAL BRACING THAT IS LOAD TABLE 3 PLIES 1.750 X 16.000 LP LVL2900Fb-2.0E DESIGN CRITICRIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) DESIGN CONSISTS OF 3 - PLIES FASTENED TOGETHER (REFER TO NOTES). 40 15 55 PSP PSP PSP FLOOR LIVE LOAD FLOOR DEAD LOAD DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD FROM LDF LABEL AWAYS REQUIRED IS THE RESPONSIBILITY OF THE ROUECT ENGINEER OR ARCHITECT. I DISCLAMALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN. LOAD FLOOR TOTAL LOAD FR-IN-SE BT-IE-SE

180 PLF 00-00-00 30-07-12

135 PLF 00-00-00 30-07-12

80 PLF 00-00-00 30-07-12

27 PLF 00-00-00 30-07-12

24 PLF 00-00-00 30-07-12 UNIFORM UNIFORM UNIFORM UNIFORM UNIFORM UNIFORM LIVE TOP
DEAD TOP
DEAD TOP 20 15 35 ROOF LIVE LOAD ROOF DEAD LOAD ROOF TOTAL LOAD 1.25 ROOF DEAD
WALL DEAD
FLOOR LIVE
BEAM WEIGHT
FLOOR DEAD 0.90 PSF PSF 1.00 0.90 0.90 BUILDING DESIGN,
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTICH OR DRILL LP LYL.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIEY DIMENSIONS BEFORE CUTTING LP LYL.
TO SIZE FLR LEFT SPAN CARR. : 1.33 FT FLR RIGHT SPAN CARR. : 0.00 FT ROOF LEFT SPAN CARR. : 14.00 FT ROOF RIGHT SPAN CARR. : 4.00 FT TOP 10 PLF 00-00-00 30-07-12 WARNING NOTES: THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS, USE OF THIS DESIGN FOR ANYTHING OTHER THAN L-P LVL. OR L-P LSL. OR L-P LJOSTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. DEFLECTION CRITERIA : TO SIZE. B. THIS LP LVL IS TO BE USED AS A LIVE LOAD DEFL: TOTAL LOAD DEFL: L / 360 L / 240 COMBINATION ROOF AND FLOOR BEAM ONLY.

COMPRESSION EDGE BRACING REQUIRED AT CODE COMPLIANCES : MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DEBIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT EMBINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS. REPORT # PR-L280 RSR-2403 RR-25783 11518-R FL15228 179" O.C. OR LESS. DESIGN ASSUMES ALL "TOP" LOADS ARE APPLIED TO TOP EDGE OF LP LVL, SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY. ATTACH TWO PLIES WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. FROM ONE FACE ONLY. STAGGER ROWS, FLIP BEAM AND ATTACH THE THIRD PLY WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" QC. TO THE UN-NAILED SIDE OF THE FIRST TWO PLIES. STAGGER ROWS, NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED. APA ICC-ES LADBS CCMC Florida ANCHOR LP LVL ROOF/FLOOR BEAM SECURELY TO BEARINGS OR HANGERS. NO. 18002 SUPPORT REACEIONS (LAS): MAXIMUM BEARING NUMBER 1.750 2405 8246 2853 UPLIFT ---5.250 MIN BEARING SIZES (IN-SK) 3-10 3-8 3-7 CROSS SECTION MARTMIM DESCRICTIONS CALCULATED ALLOWABLE
LIVE LOAD 0.06" (L/3182) 0.54"
*DEAD LOAD 0.10"
TOTAL LOAD 0.12" (L/1578) 0.81" 16- 3-14 - 30- 7-12 *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® SolidStart® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products 2015.2 Temporary and permanent bracing for holding component plumb and for resielling lateral forces shall be designed and installed by others. No basis are to be applied to the component until sitter all the framing and festeraling are completed. At no time shall loads greater than design bads he enabled to the component. 03/10/16 IBC 2009 Do not out, notch, drill or after LP SolidStart LSL, U/L and I-Jolete except as shown in published material from LP. Any use of LP BolidStart LSL, U/L and I-Jolete contrary to the timite set forth hereon, negative any express warranty of the product and LP disclaims all righeled warranties including the Implied warranties of marchantebility and filmess for a particular use. 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7670 Fax 866.753.4369 se applied to the component. COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria

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LP and SoldStart are registered trademarks of Louisians-Pacific Corporation.

Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.

The design and material specified are in substantial conformity with the tatest revisions of NDS.* Dead land desided inn includes adjustment factor for creep. Rotal load definction is instantaneous.

### 2013. Amenia Share Order **THE GLOUNG DESCRIPTION OF LODGES (IN CONTROLLED) **THE CHANGES DESCRIPTION OF LODGES (IN CONTROLLED) **THE LODGE DESCRIPTION OF LODGES DESCRIPTI	160107 - WB Howland Company - Gilchrist	House - Floor - F5	Woodford Plywood Inc. (800) 342-6	400
LAMPSTEED, FRANCIS CORPORATION CONTROLLED CONTROLLE	NOTE: 1. THIS COMPONENT IS DESIGNED TO SUPPORT OF THE VERTICAL LOADS SHOWN AS DETERMINED.	INLY NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRE	1 LPI 20Plus DEPTH 11.81 DTHER LOAD CASES D. FLANGE 1.50 X 2.50	75" DESIGN CRITERIA: MSI: 0.18 VSI: 0.51 RSI: 0.79
THE PROPERTY ON MAKING THE CONCENTRAL TO STATE OF THE CONCENTRAL TO STATE O	LIMITATIONS, FRAMING METHODS, WIND AND SE BRACING, AND OTHER LATERAL BRACING THAT	ISMIC (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR C IS DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD I	CANTHEVER.) FROM TO LOAD LDF LABEL	DEAD LOAD = 15 PSF
RECORDING RESIDENT FOR CHAPTER TO SHARE 2. CORDINATE THE STOCK EACH TO SHARE 2. CORDINATE THE STOCK EACH TO SHARE 2. CORDINATE THE STOCK EACH TO SHARE 3. CORDINATE THE STOCK EACH T	PROJECT ENGINEER OR ARCHITECT. I DISCLAIM RESPONSIBILITY FOR ALL PLANS, SPECIFICATION	ALL UNIFORM FLOOR LIVE TOP 100 FLF S UNIFORM WALL DEAD TOP 80 FLF	00-00-00 04-02-04 1.00 00-00-00 04-02-04 0.90	
SOUND CLY, NOTICE OR DRILLY, SPLANGES WANNING MANUAL SPLANGES WANNING WANNING WAS SPLANGES WANNING WANNING WAS SPLANGES WAS SPLANGES WAS SPLANGES WANNING WAS SPLANGES WAS SPLANGES WAS SPLANGES WANNING WAS SPLANGES WAS SPLANG	BUILDING DESIGN. 2 PROVIDE RESTRAINT AT SUPPORTS TO ENSURE	UNIFORM FLOOR DEAD TOP 38 PLF (UNIFORM FLOOR DEAD TOP 20 FLF	00-00-00 04-02-04 0.90 00-00-00 04-02-04 0.90	LIVE LOAD DEFL: L / 360
THIS COMPONENT BECOME CUTT NO LET TO SEE THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. AND. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERER WOOD PRODUCTS. THIS COMPONENT DEBON IS SPECIFICALLY FOR L.P. BIGHIERE	3. DO NOT CUT, NOTCH OR DRILL LPI FLANGES.	WARNING NOTES:		
MANIAUM BEARING CEEP ARE BURNOTHER TO PREPAY OF THE SERVINGE PROVIDED BY THE REPROVED HERE PROVIDED BY THE REPROVED BY THE REPROVED HERE PROVIDED BY THE REPROVED BY THE REPROVED HERE PROVIDED BY THE REPROVED BY THE REPROVED HERE PROVIDED BY THE REPROVED BY THE REPROVED HERE PROVIDED BY THE REPROVED BY THE REPROVED HERE PROVIDED BY THE REPROVED BY THE REPROVED HERE PROVIDED BY THE REPROVED BY THE REPROVED HERE PROVIDED BY THE REPROVED HERE PROVIDED BY T	5. VERIFY DIMENSIONS BEFORE CUTTING LPI TO S 6. THIS LPI IS TO BE USED ASA FLOOR JOIST ONLY. 17. COMPRESSION EDGE BRACING REQUIRED AT	USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUME	LP LSL OR LP I-JOISTS IS	APA PR-L238 ICC-ES ESR-1305 LADBS RR-25099 CCMC 12412-R
SUPPORT REALIZIONS (EAS); APPLED LOADS OVER EID BEARNING ON HANGERS INTERBEDATION AND HANGERS APPLED LOADS OVER EID BEARNING ON HANGERS INTERBEDATION AND HANG		PROVIDE RESTRAINT AT CONCENTRATED LOAD TO ENSURE LA	ATERAL STABILITY	
APPLIED LOADS OFFICE THE DEPARTMENT AND LOADS EXCEEDING 201 LBS OVER INTERMEDIATE BEARINGS MUST BE TRANSPERRED MUST BE TRANSPERRED BEARINGS MUST BE TRANSPERRED BEARINGS MUST BE TRANSPERRED BEARINGS MUST BE TRANSPERRED BEARINGS MUST BE TRANS		JOIST AS DESIGNED, IT IS THE RESPONSIBILITY OF THE PROJE ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STE	ECT ENGINEER.	
BUDPORE REACTLORS (TAB): BUDPORE REACTLORS		ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS.		HAILED 19/32" APA RATED SHEATHING (32/16 SPAN RATING)
BUILDORET REACTIONS (IAS): ANALYMINE BE A R I R G B U M B B R L 2 DORN 771 649 UNICLIST — NAXIONEM INSTITUCIONS CALCULATURED ALLOWARD CONTROL OF A CONTR		INTERMEDIATE BEARINGS MUST BE TRANSFERED DIRECTLY	TO SUPPORT BY	
Temporary and permanent bracing for holding component plants and for residual galactal funces shall be designed and for residual galactal funces shall be designed and for residual galactal funces shall be designed and for residual galactal galactal galactal funces shall be designed and for residual galactal galactal funces. No loads are to be applied to the component until after all the framing and fasterting are completed. At no time shall bade greater than destign loads applied warranties including the implied warranties including the implied warranties including the implied warranties including the implied warranties of merchantability and filtness for a particular use. Design Criteria The design and material specified are in substantial confirmity with the batest revisions of NDS.* Dead bad defiction includes adjustment factor for creep, total load defiction includes adjustment factor for creep, total load defiction includes adjustment factor for creep, total load defiction includes adjustment factor for creep, total load.	MAXIMUM BEARING FUMBER 1 2 DOWN 771 649 UPLIFT NIB BEARING SIZES (IN-SX) 1- 8 1- 8 MAXIMUM DEFLECTIONS CALCULATED ALLOWABLE LIVE LOAD 0.01" (L/5849) 0.14"	2.500	4-2-4	STATE OF
plumb and for resisting lateral funces shall be designed and instated by others. No loads are to be applied to the component until distant the faming and state taring are component until distant the faming and state taring are component. Design Criteria The design and material specified are in substantial continny with the latest revisions of NDS.* Dead laad dead defection include adjustment factor for creep, Total load care.			User Notes (User is responsible for the accuracy of these notes)	LP Engineered Wood Products Myprie TRC 2009 2018.2
The design and material specified are in substantial conformation of NDS.* Dead load defection includes adjustment factor for creep. Total load defection includes adjustment factor for creep. Total load	plamb and for resisting lateral furious shall be designed and in installed by others. No loads are to be applied to the component until after all the framing and fastaring are completed. At no time shall loads greater than design loads be applied to the component.	published material from LP. Any use of LP SoldStart LSL, LM. and HJolata contrary the lattle set forth hereon, negates any express warranty of the product and LP solding all implied warranties including the implied warranties of merchantability and fibress for a particular use.		414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.618 7670
defisction includes adjustment factor for creep. Total load descriptions of NDS.* Dead load defisction includes adjustment factor for creep. Total load	Design Officia			71972
	conformity with the latest revisions of NDS.* Dead load defection includes adjustment factor for creep. Total load	al. Prop 65 Warning: Use of this product may result in exposure to wood dust, known		DIVO II

2015.2 Allowable Stress Design NOTE: 2016.2 Advance Street Deeign

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS, VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SESSIN
BRACING, AND OTHER LATERAL BRACING THAT IS
ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN. LOAD TABLE 1 LPI 20Plus DEPTH 11.875 DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1), OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) WEB: 0.375" FLANGE 1.50 X 2.50 40 15 55 PSF PSF DEAD LOAD LDF LABEL LOAD TOTAL LOAD SPACING = 16.00 IN. 1.00 C/C DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: BUILDING DESIGN 2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP L-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. 2. PROVIDE RESI MAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.

3. DO NOT CUT, NOTCH OR DRILL LPI FLANGES,

4. SHIM ALL BEARINGS FOR FULL CONTACT.

6. VERIFY DIMENSIONS BEFORE CUTTING LPI TO SIZE.

8. THIS LPI IS TO BE USED ASA FLOOR JOIST ONLY.

7. COMPRESSION EDGE BRACING REQUIRED AT CODE COMPLIANCES : REPORT # PR-1238 BSR-1305 RR-25099 12412-R FL15401 APA ICC-ES LADBS MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LPI JOIST AS DESIGNED, IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS JOIST IS CAPABLE OF SUPPORTING THE REACTIONS. 71" O.C. OR LESS. CCMC Florida ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS. APPLIED LOADS OVER END BEARINGS AND LOADS EXCEEDING 250 LBS OVER INTERMEDIATE BEARINGS MUST BE TRANSFERED DIRECTLY TO SUPPORT BY RIM BOARD, BLOCKINGS, SQUASH BLOCKS OR OTHER DEVICE. DEFLECTION ASSUMES COMPOSITE ACTION WITH GLUED AND WAILED 19/32" APA RATED SHEATHING (32/16 SPAN RATING) NO. 18002

NO. 18002

STATE OF 11.875 SUPPORT REACTIONS (IRS): MAXIMUM BEARING NUMBER 2.500 1 571 2 571 UPLIFT ---CROSS SECTION MIN BEARING SIZES (TH-EX) 1-8 1-B MAXIMIM DEPTECTIONS CALCULATED ALLOWABLE
LIVE LOAD 0.21"(L/864) 0.51"
*DEAD LOAD 0.12"
TOTAL LOAD 0.29"(L/628) 0.77" - 15- 6-12 *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® Solid Start® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products 03/10/16 IBC 2009 Temporary and permanent breeing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all the faming and fastering are compated. At no time shall loads greater than design loads he anded to the component to the component. Do not out, notich, drill or elser LP SoldStart LSL, LM. and Notets except as shown in published resterial from LP. Any use of LP SoldStart LSL, LM. and Notets contrary to the limits set forth hereon, negates any express warranty of the product and LP disclaims all implied warranties including the implied warranties of merchantability and fitness for a particular use. 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 868.753.4369 be applied to the component. COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria 71972 The design and material specified are in substantial conformity with the latest revisions of NDS.* Osed load deficed on includes adjustment factor for presp. Total load deficed in is instantaneous. LP and SolidStart are registered trademarks of Louislana-Pacific Corporation. DWG Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer. 20 of 25 SHEET #_ File: \\nashville1\users\$\banht\My Documents\1603\71972\Revised\J18A.SPX

160107 - WB Howland Company - Gilchrist House - Roof - R17 Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design NOTE: 2015.2 Allowable Citres Design

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWNAS DETERMINED BY OTHERS. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND AND SESMIC BRACING, AND OTHER LATERAL BRACING THAT IS AUWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT. I DISCLAIMALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN.

2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.

3. DO NOT CUT, NOTCH OR DRILL LPI FLANGES.

4. SHIM ALL BEARINGS FOR FULL CONTACT.

5. VERIFY DIMENSIONS BEPORE CUTTING LPI TO SIZE.

6. THIS LPI IS TO BE USED ASA ROOF JOIST ONLY. MAKE PROVISION FOR ADEQUATE DRAINAGE.

7. PROVIDE ANCHORAGEAT SUPPORTS TO RESIST SLIDING COMPONENT OF LOAD.

18. COMPRESSION EDGE BRACING REQUIRED AT 185° O.C. OR LESS. LOAD TABLE 1 LPI 20Plus DEPTH 11.875 DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) WEB: 0.375" FLANGE 1.50 X 2.50 LIVE LOAD DEAD LOAD TOTAL LOAD PSF PSF 20 15 35 DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD FROM | TO | FROM | TO | FT-IN-SE | FT-IN-SE | FT-IN-SE | 40 | FLF | 00-00-00 | 16-02-06 | 30 | FLF | 00-00-00 | 16-02-06 | LDF LARRY. LOAD ROOF LIVE TOP ROOF DEAD TOP SPACING = 24.00 IN. C/C DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: L / 360 L / 240 THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # PR-1238 ESR-1305 RR-25099 12412-R FL15401 MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LPI JOIST AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS JOIST IS CAPABLE OF SUPPORTING THE REACTIONS. 85° O.C. OR LESS. ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS. APPLIED LOADS OVER END BEARINGS AND LOADS EXCEPDING 250 LBS OVER INTERMEDIATE BEARINGS MUST BE TRANSFERED DIRECTLY TO SUPPORT BY RIM BOARD, BLOCKINGS, SQUASH BLOCKS OR OTHER DEVICE. THIS LPI JOIST HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (6.25 SQ FT) MO. 18002

NO. 18002

STATE OF 3.00 11.875 SUPPORT REACTIONS (LBS): MAXIMUM BEARING NUMBER 2.500 1 655 2 493 DOMES CROSS SECTION MUN BEARING SIZES (IN-SX) MARIMUM DEFLECTIONS LEFT CAMPILEVER | CARCULARED ALICAPENATE CARCULARED CARC 2- 0-D.20" 0.30" *** THIS DRAWING IS NOT TO SCALE *** LP® SolidStart® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Temporary and permanent brazing for hobling component plumb and for resisting toteral forces shall be designed and installed by others. No loads are to be applied to the component until after all the frazing and fastening are completed. An of the shall loads greater than design loads be applied to the component. Do not out, notch, drill or ster LP SolidStart LSL, LVL and I-Jorets except as shown in published malerial from LP. Any use of LP SolidStart LSL, LVL and I-Jorets contrary to the timits set forth hereon, negates any express verrantly of the product and LP disclaims all implied warrantles including the implied warrantles of merchantability and fitness for a particular use. 03/10/16 IBC 2009 414 Union Street, Sulte 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 806.753.4359 COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria 71972 LP and SoldStart are registered trademarks of Louisians-Pacific Corporation. The deelign and material specified are in substantial conformity with the takest revisions of NDS.* Dend load deflection includes adjustment factor for creep. Rotal load deflection is instantaneous. DWG Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer. SHEET # 21 of 25 File: \\nashville1\users\$\banhtv\My Documents\1603\71972\Revised\R17.8PX

Woodford Plywood Inc. (800) 342-6400 2015.2 Alcovable Stress Design NOTE:

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SEISMAC
BRACING, AND OTHER LATERAL BRACING THAT IS
AUWAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. DISCLAIMALL
RESPONSIBILITY FOR ALL PLANS, SPCIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LPI FLANGES.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LPI TO SIZE.
6. THIS LPI IS TO BE USED AS A ROOF JOIST ONLY.
MAKE PROVISION FOR ABCOUNTED TO RESST SUDING COMPONENT OF LOAD.
8. COMPRESSION EDGE BRACING REQUIRED AT
74" O.C. OR LESS. 1 LPI 20Plus DEPTH 11.875 . THIS COMPONENT IS DESIGNED TO SUPPORT ONLY DESIGN CRUIRRIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) FLANGE 1.50 X 2.50 20 15 35 LIVE LOAD PSF PSF PSF | DISTRIBUTION | SOURCE TYPE | TOP/SIDE | LOAD | FROM TO | FT-IB-SX | FT-IB-S LDF LABEL TOTAL LOAD 1.25 SPACING = 24.00 IN. C/C DEFIECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: L / 360 L / 240 THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN L-P LVL. OR L-P LSL OR L-P I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # PR-1238 ESR-1305 RE-25099 APA MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LPI JOIST AS DEBIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS JOIST IS CAPABLE OF SUPPORTING THE REACTIONS. ICC-ES LADBS CCMC Florida ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS. 74" O.C. OR LESS. APPLIED LOADS GYER END BEARINGS AND LOADS EXCEEDING 250 LBS OVER INTERMEDIATE BEARINGS MUST BE TRANSFERED DIRECTLY TO SUPPORT BY RIM BOARD, BLOCKINGS, SQUASH BLOCKS OR OTHER DEVICE. THIS LPI JOIST HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.6 X 2.6 FT (6.25 9Q FT) NO. 18002

NO. 18002

STATE OF ON CEN 3.00 ┌ 11.875 SUFFORT REACTIONS (LBS): MAXIMUM BEARING NUMBER A2.500 718 DOMN 559 MIN BEARING SIZES (IN-SX) -16- 0- 2 -----18- 0- 2-*** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® SolidStart® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Do not out, notch, drill or alter LP SoldStart LSL, LVL and i-Joists except as shown in published material from LP. Any use of LP SoldStart LSL, LVL and i-Joists contrary to the limits set forth hereon, negates any express warranty of the product and LP disclaims all implied warrantles including the implied warrantles of marchantability and fitness for a particular use. Temporary and permanent bracking for holding component plumb and for realisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all the starring and fastening are completed. An other shall loads greater than design loads be applied to the component. 2015.2 03/10/16 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 886,753,4389 A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Deelgn Criteria The design and material specified are in substantial conformity with the biseat revisions of NDS." Dead load deflection includes adjustment factor for creep. Total load deflection is instantaneous. LP and Sold Start are registered trademarks of Louisiana-Pacific Corporation. 71972 DWG Cal. Prop 66 Warning: Use of this product may result in exposure to wood dust, known to the State of Californis to cause concer. 22 of 25 SHEET #

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Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design MSI: 0.47 VSI: 0.30 RSI: 0.41 NOTE:

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWNAS DETERMINED BY
OTHERS. VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
AUVAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAIMALL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LPI FLANGES.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LPI TO SIZE.
6. THIS LPI IS TO BE USED ASA ROOF JOIST ONLY.
MAKE PROVISION FOR ADEQUATE DRAINAGE.
7. PROVIDE ANCHORAGEAT SUPPORTS TO
RESIST SUDING COMPONENT OF LOAD.

18. COMPRESSION EDGE BRACING REQUIRED AT
TZ O.C. OR LESS. 1 LPI 20Plus DEPTH 11,875 . THIS COMPONENT IS DESIGNED TO SUPPORT ONLY DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) WEB: 0.375" FLANGE 1.50 X 2.50 LIVE LOAD 20 15 35 DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD FROM TO FT-IN-SK F LDF LABEL TOTAL LOAD LOAD 1.25 SPACING = 24.00 IN. C/C DEFLECTION CRITERIA : LLVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: L / 360 L / 240 THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP L-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # PR-L238 ESR-1305 RR-25099 12412-R PL15401 APA ICC-ES LADBS CCMC Florida MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LPI JOIST AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS JOIST IS CAPABLE OF SUPPORTING THE REACTIONS. 72 O.C. OR LESS. ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS, APPLIED LOADS OVER END BEARINGS AND LOADS EXCEEDING 250 LBS OVER INTERMEDIATE BEARINGS MUST BE TRANSFERED DIRECTLY TO SUPPORT BY RIM BOARD, BLOCKINGS, SQUASH BLOCKS OR OTHER DEVICE. NO. 18002

STATE OF THIS LPI JOIST HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (8.26 SQ FT) 3.00 ┌ 11.875 SUPPORT REACTIONS (LBS):
MAXIMUM BEARING HUMBER

1 2
DOWN 730 571 2.500 730 UPLIFT MIN BEARING SIZES (IN-SX) 3-8 3-8 LEFT CANTILEVER CALCULATED ALLOWANTE 2- 0--0.07" -0.08" -0.13" 0.20" - 18- 4- 1-0.30" *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® SolidStart® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Do not cut, notch, drift or after LP SolidStart LSL, LM. and Noiets except as shown in published material from LP. Any use of LP SolidStart LSL, LM. and Noiets contrary to the limits set forth hereon, negatise any appress warranty of the product and LP declaims all implied warranties including the implied warranties of marchantability and filmess for a particular use. 2015.2 Temporary and permanent braiding for holding component plumb and for real-sting lateral forces shall be designed and installed by others. No beds are to be applied to the component until after all the framing and fastering are completed. An other shall loade greater than design loads be applied to the component. 03/10/16 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 856.753,4369 A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR Design Criteria 71972 P and SolidStart are registered trademarks of Louisians-Pacific Corporation. The design and material specified are in substantial conformity with the latest revisions of NDS.* Deed load defisction includes adjustment factor for creep. Total load defisedion is instantaneous. DWG Cat. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer. SHEET #_ 23 of 25 File: \\nashville1\users\\banhtvMy Documenta\1603\71972\Revised\R20B.SPX

160107 - WB Howland Company - Glichrist House - Roof - R22 Woodford Plywood Inc. (800) 342-6400 2015.2 Allowable Stress Design LOAD TABLE 1 LPI 20Plus DEPTH 11.875 " WEB: 0.375" FLANGE 1.50 X 2.50 NOTE:

1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VERTICAL LOADS SHOWN AS DETERMINED BY
OTHERS, VERIFICATION OF LOADING, DEFLECTION
LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS
AUMAYS REQUIRED IS THE RESPONSIBILITY OF THE
PROJECT ENGINEER OR ARCHITECT. I DISCLAMMAL
RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS
OR OTHER DOCUMENTS THAT MAY BE USED TO
INCORPORATE THIS COMPONENT INTO THE
BUILDING DESIGN.
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.
3. DO NOT CUT, NOTCH OR DRILL LPI FLANGES.
4. SHIM ALL BEARINGS FOR FULL CONTACT.
5. VERIFY DIMENSIONS BEFORE CUTTING LPI TO SIZE
6. THIS LPI IS TO BE USED ASA ROOF JOIST ONLY.
MAKE PROVISION FOR ADEQUATE DRININGE.
7. PROVIDE ANCHORAGEAT SUPPORTS TO
RESIST SILDING COMPONENT OF LOAD.
B. COMPRESSION EDGE BRACING REQUIRED AT
72"O.C. OR LESS. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY DESIGN CRITERIA : NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1), OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF 8PAN OR CANTILEVER.) LIVE LOAD DEAD LOAD 20 15 35 DISTRIBUTION SOURCE TYPE TOP/SIDE LOAD FROM TO FILE-SX FY-IB-SX UNIFORM ROOF LIVE TOP 40 PLF 00-00-00 20-07-12 UNIFORM ROOF DEAD TOP 30 PLF 00-00-00 20-07-12 LDF LAREL TOTAL LOAD 1.25 SPACING = 24.00 IN. C/C DEFLECTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: WARNING NOTES: L / 360 L / 240 THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP L-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL. CODE COMPLIANCES : REPORT # PR-L238 ESR-1305 RR-25099 APA ICC-ES MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LPI JOIST AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS JOIST IS CAPABLE OF SUPPORTING THE REACTIONS. LADBS 12412-R FL15401 CCMC Florida 72" O.C. OR LESS, ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS. APPLIED LOADS OVER END BEARINGS AND LOADS EXCEEDING 250 LBS OVER INTERMEDIATE BEARINGS MUST BE TRANSFERED DIRECTLY TO SUPPORT BY RIM BOARD, BLOCKINGS, SQUASH BLOCKS OR OTHER DEVICE. THIS LPI JOIST HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.5 X 2.5 FT (8.25 SQ FT) AN J. SC.

ON CE NS

ON 18002

STATE OF 3.00 11.875 SUPPORT REACTIONS (LAS): MAXIMUM BEARING NUMBER 2.500 732 732 DOME UPLIFT MIN BEARING SIZES (IN-EX) 3-8 3-8 2- 0-16- 7-12 20- 7-12 *** THIS DRAWING IS NOT TO SCALE *** Handling & Erection LP® Solid Start® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be destigned and installed by others. No back are to be applied to the component until other at the framing and frastening are completed. An other shall loads greater than design loads be applied to the component. 2015.2 03/10/10 IBC 2009 414 Union Street, Suite 2000 Nashville, TN 37219 Phone 800.515.7570 Fax 888.753.4369 A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria The design and material specified are in aubstantial conformity with the bases revisions of NDS: * Dead load deflection includes educament factor for creep. *Total load deflection is Instantaneous. LP and SolidStart are registered trademarks of Louistana-Pacific Corporation. 71972 DWG Cal. Prop 65 Waming: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer. SHEET #_ 24 of 25 File: \\nashville1\users\$\banhtv\My Documents\1603\71972\Revised\R22B.SPX

Woodford Plywood inc. (800) 342-6400 2015.2 Alowable Stress Design NOTE:
THIS COMPONENT IS DESIGNED TO SUPPORT ONLY
THE VER TICAL LOADS SHOWN AS DETERMINED BY
OTHERS, VERIFICATION OF LOADING, DEFLECTION
UMITATIONS, FRAMING METHODS, WIND AND SEISMIC
BRACING, AND OTHER LATERAL BRACING THAT IS 1 LPI 20Plus DEPTH 11.875" WEB: 0.375" FLANGE 1.50 X 2.50 DESIGN CRITERIA: NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.) PSF PSF 20 15 35 LIVE LOAD DEAD LOAD CRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT, I DISCLAIMALL RESPONSIBILITY FOR ALL PLANS, SPECIFICATIONS OR OTHER DOCUMENTS THAT MAY BE USED TO INCORPORATE THIS COMPONENT INTO THE BUILDING DESIGN. LDF LABEL TOTAL LOAD 1.25 0.90 SPACING = 24.00 IN. C/C DEFIRCTION CRITERIA : LIVE LOAD DEFL: TOTAL LOAD DEFL: BUILDING DESIGN.

2 PROVIDE RESTRAINT AT SUPPORTS TO ENSURE
LATERAL STABILITY.

3. DO NOT CUT, NOTCH OR DRILL LPI FLANGES.

4. SHIM ALL BEARINGS FOR FULL CONTACT.

5. VERIFY DIMENSIONS BEFORE CUTTING LPI TO SIZE.

6. THIS LPI IS TO BE USED AS A ROOF, JOIST ONLY.

MAKE PROVISION FOR ADEQUATE DRAINAGE.

7. PROVIDE ANCHORAGEAT SUPPORTS TO
RESIST SUDING COMPONENT OF LOAD.

8. COMPRESSION EDGE BRACING REQUIRED AT
82" O.C. OR LESS. THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP LSL OR LP I-JOISTS IS STRICTLY PROHIBITED, ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROPESSIONAL. CODE COMPLIANCES : REPORT # REPORT # PR-L238
ICC-ES ESR-1305 LADBS RR-25099
CCMC 12412-R
Florida FL15401 MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LPI JOIST AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERBY THAT THE SUPPORT STRUCTURE FOR THIS JOIST IS CAPABLE OF SUPPORTING THE REACTIONS. ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS. APPLIED LOADS OVER END BEARINGS AND LOADS EXCEEDING 250 LBS OVER INTERMEDIATE BEARINGS MUST BE TRANSFERED DIRECTLY TO SUPPORT BY RIM BOARD, BLOCKINGS, SQUASH BLOCKS OR OTHER DEVICE. THIS LPI JOIST HAS BEEN DESIGNED TO SUPPORT A 300 LBS CONCENTRATED LOAD ACTING OVER 2.6 X 2.6 FT (6.25 SQ FT) NO 1800 STATE OF AL PLANTED 11.875 SUPPORT REACTIONS (LES): MAKIMUM BEARING NUMBER 1 536 1246 370 UPLIFT CROSS SECTION MIN BEARING SIZES (IN-SK) 3-8 3-8 MAKIMUM DEFLECTIONS 0 -14- 4- 0 --14- 0- 1 -*** THIS DRAWING IS NOT TO SCALE*** iandling & Erection LP® Solid Start® LSL, LVL and I-Joist Specifications User Notes (User is responsible for the accuracy of these notes) LP Engineered Wood Products 03/10/16 IBC 2009 Temporary and permanent bracing for holding component plumb and for meliating lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all the framing and fastering are compliced. At no time shall loads greater than design loads he sended to the members of the property o Do not out, notch, drill or ater LP SolidStart LSL, LML and I-Joiets except as shown in published material from LP. Any use of LP SolidStart LSL, LML and I-Joiets contra to the intrie set forth hereon, negates any spresse warranty of the product and LP discisines all implied warranties including the implied warranties of merchantability and fitness for a particular use. 414 Union Street, Suite 2000 Neshvilla, TN 37219 Phone 800.515.7570 Fax 886.763.4369 be applied to the component. COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR. Design Criteria 71972 The design and material specified are in substantial conformity with the tatest revisions of NDS." Dead load deflection includes adjustment factor for onesp. Total load deflection is instantaneous. LP and SolidStart are registered trademarks of Louisiana-Pacific Corporation. DWG # Cat. Prop 65 Warning: Use of this product may result in exposure to wood dust, kni to the State of California to cause cancer. 25 of 25

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